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February — March 1973

The knowledge. The work. The capital. The marketing. The record keeping. And wins 1972's FFA National Crop Production Proficiency Award.

At a time when the world is becoming ever more dependent upon the productivity of America's farmers, it's good to know that Greg Blosser is in agriculture. And others, too, such as 1972's regional FFA Crop Production Proficiency Award winners: Jentry Bond, Mark Andrewjeski and Greg Smith.

They've put it all together as examples to the world, of American agriculture's productivity and efficiency.

We applaud them, and the 20,000 other participants.

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The National
Future Farmer

VOLUME 21 NUMBER 3 FEBRUARY-MARCH, 1973

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Our Cover

Santa Fe Sr., Florida, FFA member Tammy Imler harvests 12 acres of flue-cured tabacca annually, storing it in mechanical dryers. Together with his father and brother Gary, Tammy grows 35 acres of peppers, 15 acres of eggplant, 25 acres of cucumbers (all hand picked), and 100 acres of mechanically harvested string beans. In conjunction, they manage 200 head of beef cattle and 75 acres each of soybeans and corn. Tommy, a State Farmer degree holder, individually operates about 30 acres of specialty crops. "Managing the Specialties" on page 14 tells how another member of the same chapter produces specialty crops.

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National FFA WEEK

THIS year is the 25th anniversary of National FFA WEEK—that once-a-year week-long period when local chapters and state associations throughout the country combine efforts to gain public awareness for FFA and vocational agriculture. It was in 1948, at FFA's 20th anniversary, that a change was made from celebrating FFA Day during the national convention to FFA WEEK during the week of George Washington's birthday. During FFA WEEK, February 17-24. let us make the public aware of how important FFA and vocational agriculture are to the future of America.

National Officer Tour

Another event which has become traditional with FFA is the annual Goodwill Tour, renamed last year to the National Officer Tour. This activity was started in 1947, skipped in 1948, and held every year since.

The goal of this year's tour is to "tell our story to urban audiences," according to Coleman Harris, associate executive secretary for FFA. The tour begins on January 29, and ends March 1. It will take the national FFA officers to many of our major cities from coast to coast. Many FFA Foundation Sponsors are helping with arrangements and several major banquets are scheduled.

The officer team will travel as a group to Richmond, Wilmington, New Brunswick, New York, Indianapolis, Quincy, and Chicago. They will then split into two groups. Jerry, Bob, and Bruce will go to Madison, Green Bay, Minneapolis, Kansas City, and St. Joseph.

Dwight, Zane, and Tim will travel to Los Angeles, San Francisco, Salem, Portland, Spokane, and end the tour in Boise.

In Memoriam

We join others throughout the nation in honoring the memory of former President Harry S. Truman who died recently. As President, Mr. Truman signed a bill on August 30, 1950, that became known as Public Law 740, 81st Congress. This is the law that gave FFA its Federal Charter, or the legal right to exist as a nonprofit corporation. After he retired, Mr. Truman attended more National FFA Conventions than any other person who has served as President.

Wilson Carnes, Editor

WE PROVED TO FIVE DOUBTING FARMERS WHO WERE FARMING ON SOMEONE ELSE'S TIRES,

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"I'd sure like to have my brother-in-law see this. He thinks all tires are the same. You sure proved to me Firestone 23° tires give a lot more work than the others."

—**Travis "Red" Parker**
10,350 acres
Drew, Miss.

"You can always put figures on paper. But I've seen these tests and I believe it. That horsepower transfer to your drawbar really proved it to me."

—**Roger Cwach**
1,200 acres
Yankton, S. D.

"You proved to me that the 23° angle on the tread is a lot more important than I had any idea it was."

—**Vallie Pelleti**
2,000 acres
Atlantic, Ia.

"If a salesman had tried to tell me this, I wouldn't have believed it. But I've seen it and I'm a believer."

—**Joe Brand**
950 acres
Columbus, Ind.

"If I saw this in a film I wouldn't believe it. But I gotta say seeing is believing. When you show me I can get another hour's work in a day or go fishing, it doesn't take much to convince me I should do it."

—**Wally Wagner**
750 acres
Wayne, O.

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Looking Ahead

Livestock

A.I. RULES CHANGE—The American Brahman Breeders Association adopted new artificial insemination rules after a two-year study. The new regulations require blood typing of all bulls—including A.I. service companies' sires—from which semen is to be sold for "out-of-herd" A.I. to produce registered calves.

CATTLE RATION PROCESS—A new process for producing beef rations has been announced by Ralston Purina Company. The method combines such ingredients as the whole corn plant, dehydrated and sun-cured alfalfa, minerals, and vitamins, plus several combinations of non-protein nitrogen through a single manufacturing method into pellet form. Marketing of the new beef rations is underway.

ONE-ON-ONE TUTORING—A do-it-yourself A.I. instruction program through individual tutoring has been introduced by the Carnation Breeding Service. According to Mr. M. J. Neverman, national sales director, one-on-one training allows cattlemen to receive instruction on their own farm or ranch. Students get two hours of training per day—including a manual containing 60 illustrations and narrated tapes—in a given week arranged around the herd owner's schedule.

DES SUPPLEMENTS OUT—As of January 1, 1973, it is illegal to feed diethylstilbestrol (DES) in any form. And to determine if the ruling is being observed the Food and Drug Administration is making spot checks. However, it is still permissable to use DES implants in cattle, but their future use is uncertain. Mr. John Trotman, president of the American National Cattlemen's Association, says entire loss of this valuable drug means it will take 10 percent longer and 10 percent more feed to produce a pound of beef.

Crops

SYSTEMIC INSECTICIDE—Chevron Chemical Company has begun production of a new systemic insecticide to fill several needs created by restrictions on residual chemicals. It is effective against aphids, leaf hoppers, webworms, tent caterpillars, and gypsy moths, but lady bugs, bees, and other beneficial insects will suffer little residual harm. Orthene, as it is called, breaks down into harmless materials in the environment and is rapidly taken up by plants to give protection that cannot be washed off.

NEW PELLETIZED LIME—A new pelletized lime called Granulime is being produced by Calcium Products Corporation. The field lime does not burn hands, grass, or plant leaves when broadcast or spread. The pellets sink right to the ground, dissolve under the first rain or sprinkling job, and will not harden during storage.

FLEXIBLE STORAGE—Grain or forage can be stored—depending on the type of unloader used—in the new Model 2035 A.O. Smith Harvestore System. Developed for the medium-scale farmer, the unit can store high-moisture grains, head-chop milo, and ground ear corn as well as low-moisture haylage or cornlage. It holds 7,360 bushels of grain.

Machinery

TRACTOR SALES BOOM—Industry tractor sales in the United States and Canada reached about 228,000 units in 1972, according to Mr. James H. Grommersch, head of worldwide tractor sales for Ford Tractor Operations. This represents an 18 percent increase over a year ago as farm tractors over 70 horsepower accounted for 40 percent of all 1972 industry sales. Leaders in the farm machinery industry expect 1973 sales to about equal 1972.

Management

EXPORTS KEY INCOME—The key to higher farm income is increased demand abroad for food, livestock feed, and oilseed, emphasizes Secretary of Agriculture Earl Butz. Thus, recent export trends will continue and farmers will in turn produce crops in demand at home and abroad. With this in mind trade observers predict farm exports will top $10 billion before 1980.

Over $5,000 in prizes

Awarded Monthly

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Try for an art scholarship in advertising art and illustrating, cartooning or painting. Your entry will be judged in the month received but not later than March 31, 1973. Prizes awarded for best drawings of various subjects received from qualified entrants age 14 and over. One $25 cash award for the best drawing from entrants age 12 and 13. No drawings can be returned. Our students and professional artists not eligible. Contest winners will be notified. Send your entry today.

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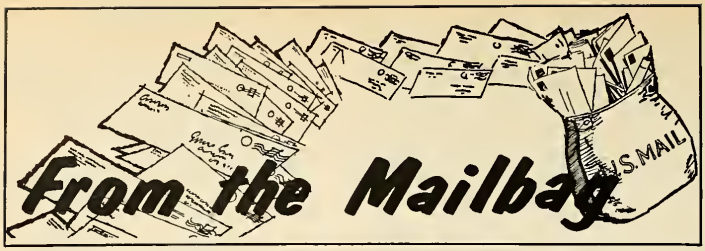

"From the Mailbag" is an opportunity for all FFA members to publicly express their personal opinions about their national magazine, about major national issues of FFA, and about meaningful FFA experiences. Your response is welcome.

Morgantown, Indiana

What a wholesome, inspirational atmosphere prevails at the National FFA Convention! I simply would not be at peace with myself without at least endeavoring to express my gratitude for your contribution in making the coming together of all these young men and women even more inspirational and meaningful.

We feel especially fortunate because our local FFA advisor is surely one of the most honest, ambitious, and concerned teachers we have today.

Seeing him, the other fine, respected advisors, the exceptional young gentlemen known as the national officers, and leaders like yourself work together so harmoniously on one team gives us every hope for a very bright FFA future.

What other high school organization offers such leadership which blends together so well the qualities of patriotism, pride in work well done, and more importantly a belief in one God over all.

We watched and listened in the midst of young men and women and felt our cup truly runneth over.

Upon arriving home, we all agreed we were tucking away some of the most precious memories of our lives.

Mrs. J. R. Dallas

This letter was sent to Mr. Marvin Myers, director of National FFA Chorus.—Ed.

Consulate-General of Jamaica
New York, New York

May I extend to you on behalf of the Jamaica Youth Development Agency and the Government of Jamaica, my deep and profound gratitude for your generous gift of ten Hampshire and Yorkshire gilts. I am also mindful of the meticulous details and assistance which you have spearheaded, aided by your association, to ensure that the project gets off to a good start.

I was immensely impressed with the methodical and intelligent precision which featured the conduct of the affairs of the Convention. My faith in the youth of America has been greatly re-enforced, more so in the agricultural sector. I feel that your association can teach many of your fellowmen a good deal how to approach their problems in a spirit of unity and pride in the occupation which they intend to pursue.

By your action you have established a deep and lasting affection not only between the Agricultural Youth of Jamaica and your association, but the entire agricultural community.

I have made a suggestion to Mr. Hunsicker about the possibility of a couple of hundred members of your association visiting Jamaica next summer, and perhaps you may wish to discuss it further.

Gerald Groves
Consul General

This letter was sent to Tim Burke, past national president who organized the project of FFA sending foundation gilts to Jamaica.—Ed.

Groveland, Florida

We would like for you to know that we appreciate more than words can express, the fine publicity you gave our chapter through Philip Kuharske and our Advisor Freddie Garner in the October-November issue of the magazine.

Thanks for your interest in us here in Groveland, Florida.

Chapter Officers

Odebolt, Iowa

This summer when our son could not exhibit his sheep in the local fair, the Odebolt Chapter took upon themselves this responsibility of getting them to the fair, caring for them, cleaning the pen, and showing for him.

To us (as parents) this shows FFA power in action. If there are any honors that are given for outstanding qualities for chapters, they deserve it.

They have also done various deeds for others, but, we as parents of a boy in FFA know what they do when a member is unable to perform his work. I would like to mention also their instructor is a young fellow and has their respect. He works with the boys.

Thank you for listening, I felt I had to tell you.

Mrs. Earl Buehler

Galt, California

In our state, we are very fortunate to participate in the Co-op Quiz, a contest sponsored by the Agriculture Council of California.

Do any other states have a contest of this nature? If so, could we possibly form some sort of a National Co-op Quiz?

This test is fun, interesting, and very worthwhile. I feel that the valuable information about how farmers actually cooperate for the good of all is essential to our organization because as the vice president states in our opening ceremony, "If we shall but follow the leadership of our President we shall be led out of the darkness of selfishness and into the glorious sunlight of brotherhood and cooperation."

Sharon McAnlis
Reporter

Make Plans for FFA WEEK

FFA efforts at chapter, state, and national levels in 1973 will rally around the theme "FFA Unites Youth With Opportunities."

Kickoff point for using this theme for most local chapters will be during National FFA WEEK—February 17-24. This theme was already introduced at the past National Convention.

The purpose of a national FFA theme and particularly a National FFA WEEK celebration is to provide chapters an opportunity to get additional publicity or public awareness for their vocational agriculture and FFA programs.

Every week can be an FFA WEEK and hopefully chapters will continue throughout the year to stress their involvement in agriculture, involvement in leadership training, involvement in working together cooperatively, and involvement in preparing for future careers. The WEEK comes in February around George Washington's traditional birthday celebration.

Promotional materials have been developed by *The National FUTURE FARMER* to aid chapters in conducting effective programs during the WEEK. They are available from the FFA Supply Service.

FFA WEEK materials include the traditional outdoor billboards, posters, placemats, program leaflets, TV slides, seals, pocket notebooks, envelope stuffers, vinyl litterbags, bumper strips, name badges, a do-it-yourself bulletin board kit, and a 7″ album of public service radio spot announcements.

Some items do not have a date or mention of FFA WEEK.

An order brochure and order forms were mailed to all local chapters. A How-To-Do-It and Idea Packet was included. The packet gives detailed information about the best way to use WEEK materials and get publicity. It has sections on press, radio, TV, sample scripts, and other ideas. It also includes ideas that have worked for other chapters. PLUS a "clip sheet" for use in newspapers.

Send any requests for further information, requests if your chapter has not received ordering materials, or any ideas your chapter would like to share to: FFA WEEK Activities, *The National FUTURE FARMER*, P.O. Box 15130, Alexandria, Virginia 22309.

Look closely. This may be your only chance to see Tom Smith standing still.

Tom seems to pack more activity into a day than most of us can fit into a week. He's a senior at General Motors Institute. That means he alternates six weeks of study at the school's growing campus in Flint with six weeks of on-the-job learning at a sponsoring General Motors division.

While at school, his studies range from calculus and computers to business and its environment. He puts what he learns to good use at a Buick plant in Flint, where his job is to help control the inventory of the thousands of parts needed to maintain the machinery used to build cars.

In his "spare" time, he managed to become a trophy-winning wrestler. As fraternity president, he led his organization to many beneficial activities in the community. And as a leader of a school project, spent many hours monitoring and controlling sources of water pollution.

Tom Smith is representative of the kind of alert and active people who work and study at General Motors to help improve the quality of life for all of us.

If you think you'd like to join Tom at General Motors Institute, or maybe just learn more about it, write to Director of Admissions, General Motors Institute, Flint, Michigan 48502.

GM
MARK OF EXCELLENCE

General Motors

Interesting people doing interesting things.

Paul uses this homemade candling apparatus to detect egg fertility before incubating them.

Advisor Jelinski, who worked closely with Paul in enlarging the geese hatching operation, checks the progress of a batch during incubation.

Timing it Right!

That got him started. But sound planning and management keeps this hatcher of geese progressing in a profitable business.

Staff Photos

This sign greets visitors to Paul's unique set up.

GETTING started in the goose hatchery business was a matter of timing for Paul Keehr, Little Falls, Minnesota. He first became interested in raising geese when he traded a lamb for three geese and 12 ducks. During that year the opportunity of a market came along and he purchased 300 goslings for finishing out.

Finally he was able to buy 1,100 breeding geese and an incubator which holds 4,400 eggs. His next step was to purchase another 500 geese and a 10,000-egg incubator. Today Paul, a winner of the state FFA Poultry Proficiency honor, hatches and sells 5,000 goslings per year.

In addition, Paul fattens around 800 market geese yearly, selling them to stores and about 100 local people. The market geese are grown on pasture, finished on a corn and soybean ration, and watered with a float operated tank. He keeps 200 of these as replacements.

With the main demand for roasting geese being on Thanksgiving and Christmas, Paul markets finished birds in November. "Marketing can be a problem though, if cold weather which is needed for exposing the pin feathers comes too late," says Paul. "The pin feathers need to come out of the skin to permit a good job of picking."

The goose producer's breeding flock is also pastured on mixed grasses in the summer. They are fed cob corn from fall to February and then put on a laying mash containing 20 percent protein until June. Water is furnished to them via a ditch running through the laying pens. Paul pumps the water to the pens from a nearby lake. He houses the breeders outside all winter but provides them with storm shelters.

The hatching season runs from February through June. Hens usually produce for an average of six years—laying about four dozen eggs a season. However, unlike other poultry, geese have a very low hatching percentage, generally between 25 and 50 percent.

Paul, a member of the Midwest Goose Association, elaborates on his breeding program. "I keep my ganders only two years to maintain high fertility. I also abide by the 3:1 hen to gander ratio required for a breeding flock."

Before incubation begins Paul fumigates his equipment with formaldehyde and potassium permanganate to kill bacteria. He also scatters wooden nests throughout the laying pens. In gathering eggs he will hold them up to a week to obtain an incubation batch of approximately 2,000 per week. Eggs in holding are turned once a day.

The eggs are then incubated for 30 days at 99¾ degrees Fahrenheit and automatically turned three times daily. Ten days into the incubation period, Paul checks the fertility of the eggs by candling them. Two days prior to hatching he puts the eggs into the hatchery unit. The hatchery operates at 99½ degrees Fahrenheit and holds 3,600 goose eggs.

On Sunday, during a typical week of the hatching season, Paul sets the eggs into the incubators. Tuesday finds him candling eggs which were set ten days earlier. Once his cycle is in full swing, Paul removes goslings from the hatchery on Monday, Tuesday, and Wednesday. On Wednesday he also cleans the hatchery before placing new eggs into the hatchery on Thursday. Throughout the week he gathers eggs for incubation the following week.

Having two markets, Paul sells the majority of his two-day-old goslings to the nearby Miller Hatchery. The remainder go to local producers and breeders. He generally receives between $1.00 and $1.30 per gosling.

Testifying to Paul's success he received $1,000 for being named among the top 25 young business people in "Youth Enterprise Awards" contest. More than 3,000 applicants applied for the free enterprise awards offered by Jim Walter, a Florida building executive. Paul was pictured in *Parade's* December 3, 1972, article "How to Succeed in Business Before You're 25."

Eventually Paul, who served as sentinel and president of the Little Falls Chapter, plans to reach a total flock of 2,000 hens and 500 ganders. As he strives for this goal Advisors Louis Jelinski and Robert Bollesen will take even more pride in his success.

How on-the-spot feed counseling helps stockmen get good results

In this feedcase are product samples, planned feeding programs and up-to-date reference material the MoorMan Man brings direct to the stockman's farm or ranch.

A feed salesman can serve best when he sees the livestock. That's why our MoorMan Men—more than 2,000 of them—make regular, direct calls on livestock producers. Each MoorMan Man draws on the combined experience of MoorMan Research and users to suggest feeding programs and management ideas that fit each individual operation. He's kept up to date on the latest findings of MoorMan Research in an educational meeting every 4 weeks.

In 1885 on the family farm near Big Spring, Ky., the first MoorMan Product was made—a mineral mixture for hogs. Now MoorMan's is a major manufacturer of concentrated feed products as well as mineral supplements—with more than 90 products for hogs, beef cattle, dairy cattle, sheep, horses and dogs.

"Extra-care" research and manufacturing can pay off best when the stockman taps our experience on how best to use MoorMan Products in his livestock operation.

That's why our researchers spend so much time developing feeding *programs*. And it's why MoorMan Men provide direct service to stockmen with *on-the-spot* nutrition counseling.

More and more stockmen are finding they get extra value from the products, feeding programs, equipment and service provided by the MoorMan Man who brings his "feed store" direct to the farm, ranch or feedlot.

Today, MoorMan's home office, research laboratories and main manufacturing facilities are at Quincy, Ill. Also our Livestock Equipment Division. Other plants are at Alpha, Ill., Columbus, Neb., Comanche and Hereford, Texas. Products are research proven 3 ways: (1) in our laboratories; (2) on our 2,359-acre farms; (3) in field tests with stockmen, using their livestock and native feedstuffs.

MoorMan's®

Moorman Mfg. Co., Quincy, Illinois

Eleanor Jones Photos

The toboggan chute developed by the Gilman FFA is really busy on weekends.

Fun on the Run

Some 15,000 persons flock to this area every winter.

By Bill Nelson

Innertube riders end their fast run with a soft landing on a pile of hay.

DOWN an ice-packed chute tobogans sped. Faster and faster they came, accelerating to a breathtaking 50 miles an hour before coasting to a stop at the foot of the 660-foot run.

Over on another hill, the exuberant shouts of winter frolickers jockeying truck innertubes drifted through the chilled air. The outsize innertubes slipped and bounced down the slope, building up speeds of close to 20 miles per hour before winding up their journey with an airborne bonus.

A rounded lip of ice and snow at the end of the run catapaulted the riders to a heart-stopping six feet into the air and onto a cushion-soft straw pile.

Elsewhere in the 12½-acre tract amidst Wisconsin's picturesque Chequamegon National Forest skiers tackled beginner's and advanced hills; snowmobiles thundered along specially blazed trails; and sledders tested a sled and pan slide. Meanwhile, the cold, the hungry, and the social-minded clustered around the refreshment stand and the toasty warm fireplace inside the cedar log chalet.

Site of this wintertime fun is the Perkinstown Winter Sports Area in Taylor County. The project is the work of the Gilman FFA Chapter, a group with a flair for combining work and play in a single activity.

As Advisor Kenneth Brager says, "There may not be another project like it in the country." Yet he's spearheaded it throughout its 21-year history.

Last year 60 members worked on the project, each averaging about three hours a week.

FFA members work in alternating squads of six. They not only sell tickets and rent equipment, but also keep the hills packed and smoothed, service machines, and man the ski patrol. There are floors to be swept in the chalet and deadwood—marked by the Forest Service—to be cut and hauled indoors. Every time it snows, too, the long, steel-sided toboggan chute must be shoveled.

These jobs, Advisor Brager feels, give training in leadership, responsibility, and business practices. "We wouldn't be doing this if there weren't educational value to it," says the 45-year-old vocational agriculture instructor, who hasn't missed a winter Sunday at the Perkinstown site in 20 years.

"The most important trait of an employee is dependability and this project really teaches this," he says. "Members are assigned jobs and they're expected to do them. We've set up a merit point rating system to encourage them to do quality work."

Of the 12 objectives of FFA, the project fulfills 10 quite nicely, he adds.

The Perkinstown Sports Area became affiliated with the chapter back in 1951.

Gilman members groom the snow run as tow pulls innertube riders up slope.

At that time, it was a rundown recreation site that had been started by the old Civilian Conservation Corps (CCC) during the depression years. It then had but one towless hill and a dilapidated toboggan chute.

Today, the refurbished and greatly expanded fun spot is a favorite of families for miles around, drawing as many as 1,000 persons a weekend. (It's open Saturday and Sunday afternoons, plus nights by reservation as it is illuminated by mercury vapor lights.)

Charges are kept low enough so that families can have an afternoon of fun and food for $10.00 or less. Skiers, for example, pay $2.00 a day and toboggans rent for $1.00 an hour. The popular innertubing hill costs children 75 cents and adults $1.50—the fees include a tube and tows for an afternoon.

In all, the FFA has more than $10,000 invested in equipment—skis, boots, bindings, snowmobiles, toboggans, tows, and other things.

The recreation site is owned and managed by the Forest Service. Taylor County pays for the physical improvements. For instance, the county built the 26- x 60-foot chalet, replacing an old CCC building, and upgraded the toboggan chute.

The members themselves couldn't be more enthused about the project. More than 300 have worked on it through the years and many "remember it more than any other part of school," Advisor Brager points out.

The $10,000 or so earned from the sports area each season is used to buy equipment, improve facilities, and to sponsor various FFA activities such as the senior fishing trip.

"We think we've got something pretty good going here," concludes Advisor Brager. The 15,000 persons who play at Perkinstown each winter obviously agree.

The Air Force offers a 30-day paid vacation in your first year—and that's only the beginning. The benefits start the second you start with us. Benefits that make your starting salary worth much, much more.

Like free dental and medical care. Money-saving buys at our commissaries and exchanges. Wide-open opportunities to continue your education—for free. Low-cost travel on commercial airlines, or free on Air Force planes that happen to be going your way. Free food, clothing and housing. And no worries about business setbacks that could eliminate your job. As for your job...

You choose it—and if it's available, we guarantee it before you sign up.

What are you most interested in? Mechanics? Medical? Electronics? We have all these and many more.

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Photos by Author

A pit is dug at each range site to display soil composition which is relative to the plant life found there.

Judging On The Range

These FFA members are taught range management at the "grass roots" level. ***By Gerald Schleicher***

MANY Colorado ranchers are learning how to improve rangeland from their sons. And their sons are learning by competing in a range plant identification and range judging contest.

Every fall about 120 FFA members in the northeastern part of the state participate in the contest which has been held for 16 consecutive years. Contestants are from the Akron, Haxtun, Woodlin at Woodrow, Holyoke, East Yuma at Wray, West Yuma at Yuma, and Otis Chapters. The contest is coordinated by FFA advisors, Akron district soil conservationists, and Colorado State University range scientists.

Two divisions of competition are held—one for members competing in range judging for the first year and one for those who have competed in the contest before. Although schools can enter as many contestants as they wish, the top three contestants from each school constitute a team.

Blue, red, and white ribbons are awarded to each contestant in both divisions. The top team in each division receives a plaque and a sweepstakes plaque is awarded to the team with the highest score.

All contestants compete in both plant identification and range site judging.

Plant Identification. FFA members identify and classify 50 range plants taken from a master list containing about 57 plants. Plants are removed from the range and placed in containers for the contestants to identify. The students have to determine whether the plants are perennial, biennial, or annual, and if they are an increaser, decreaser, or invader to the land on which they are found.

Each plant properly identified and evaluated is worth five points, making a total of 250 points. One point is deducted for an incorrect life span, and two points are deducted for an incorrect evaluation of grazing response. Any plant identified incorrectly costs the FFA member the entire five points.

Range Site Judging. Each student judges two range sites using the Colorado range judging score card. FFA members can score a possible 125 points on each site for a total of 250 points. Possible range sites include: deep sands; choppy sands; sandy plains; sandy bottom; loamy slopes; loess breaks; and loamy plains.

To begin, students identify the range site, worth 20 points. Next, they identify a maximum of 15 range plants and classify them according to grazing response. Contestants are then able to determine the plant composition percentage of each plant.

After determining the density of cover, the range condition class, litter residue, degree of erosion, and condition trend, FFA members make the final and most important decision. That is, recommending the proper supplemental treatment for improving the range site.

In making the final decision on which improvement practice to use, the FFA members learn how to apply their knowledge of rangelands. They are then able to take this experience home with them and put it to use on their ranches. *(Revised from an article in the* Colorado Rancher & Farmer. *The author is an associate editor there.)*

One section of the educational contest requires members to identify range plants placed in numbered cans.

Here Colorado FFA'ers study plants marked with flags at many sites in the range identification competition.

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Managing the Specialties

Producing high-labor crops requires exactness, as these farmers prove. ***By Ron Miller***

GROWING specialty crops is a major source of income for many farmers in the Alachua, Florida, area. Like other FFA members of the local Santa Fe Senior Chapter, Bruce Alligood works with several acres of specialty crops. In addition to the 150 acres of corn, Bruce, his father, and two older brothers, Billy and Jerry, grow about 50 acres of high-labor crops every year.

Among these crops are: 9 acres of squash; 12 acres of peppers; 6 acres of cucumbers; and 20 acres of tobacco. The vegetable crops are planted mechanically, but are hand picked and packed in bushel baskets. The Alligoods sell all of their produce to a vegetable cooperative operated by the local farmers.

The Alligoods harvest their squash and cucumbers in the spring much like garden vegetables are harvested. The green peppers on the other hand are harvested continually as they reach their proper size. Later as the peppers turn

Hanging tobacco requires care and skill to insure proper drying. Bruce does and oversees much of this work.

The Alligoods, like adjoining farmers, irrigate extensively in May and June. Right, Bruce sprays peppers.

Advisor Marion Riviere and Bruce discuss crop problems as the farmer hitches up for field work. Advisors W. C. Geiger and Larry Reese counsel the Santa Fe FFA, too.

Photos by Author

red they are harvested for use in relishes. Oftentimes Bruce is in charge of the harvesting crews.

When it comes to harvesting tobacco, Bruce supervises much of the hanging of the tobacco in bulk barns. "Once the tobacco is cured we take it out of the barns and pack not more than 200 pounds on a skid," explains the crop producer.

The Alligoods store the tobacco until the market opens, generally the last of July. During the tobacco marketing season Bruce works as a check out boy at the Watson Tobacco Warehouse. Bruce reports that this past year their best tobacco went for a high price.

Using his vocational agriculture training, Bruce helps select the plant varieties and the land where the various specialty crops are grown. Throughout the growing season the Alligoods irrigate their vegetables and tobacco. They pipe water from three ponds—one fed from a lake and two spring fed—to the fields. Through experience Bruce has become proficient in laying pipe, and he handles the water application.

For his work with vegetable crops Bruce earned the area FFA vegetable production award. He participated on his chapter's vegetable judging team and was a member of the vegetable cooperative which sold vegetables and spring plants. He further used his vegetable knowledge to win a blue ribbon in the national demonstration contest at the National Junior Horticulture Association Convention. He previously won the Florida FFA demonstration contest.

The Alligoods also run 200 head of beef cattle on 120 acres of pasture and feed out market hogs. Bruce, who served his chapter as president, vice president, and sentinel, instituted the use of an improved cattle feeding program—including the addition of mineral supplement. He also helped construct such labor saving equipment as self feeders, loading chutes, and corrals. The Alligoods sell their livestock at the Gainesville Livestock Market.

Bruce, hoping to become a veterinary assistant besides operating a farm, works at the Westside Animal Hospital. He helps with surgery, goes along on calls, and helps manage the kennel. "I used to watch the veterinarian work with cows," remembers Bruce, "and I especially like to work with animals."

The young crop farmer earned the State Farmer degree and was a member of the chapter's state winning parliamentary procedure team. In high school he served as a student council member and vice president of the Science Club. In sports he captained the junior varsity football team and played guard on the varsity basketball team. He excelled by earning all conference recognition in basketball and was among the top 10 percent academically in his class.

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Pointing the Way To Top Programs

"The crop program gave me a goal . . . more than just going to school. I could see my progress, and it gave me a head start on farming," say crop proficiency participants. ***By Don Watson***

FARMING in the FFA Crop Production Proficiency award program is far from a small-time operation. Whether they grew 1/6 of an acre of tomatoes or 1,610 acres of mixed crops, 66 national, regional, and state winners from the 1971 and 1972 programs were big-time operators.

Results of a survey compiled by Funks Seeds International, Inc., sponsors of the program through the National FFA Foundation, Inc., prove this point.

Of the 36 winners named in 1971 who responded to the survey, more than half, or 19, were in college, 7 were still in high school, and 10 were full-time farmers. All but two were actively engaged in farming in 1972. Only one winner plans a career outside of the agricultural industry.

Figures for 30 winners named in 1972 are equally impressive. Over half (17) are in college, four are still in high

Vegetables Galore

They ate and ate and ate, but still had some to sell.

Cal Farley FFA members gained experience in production and processing.

SEVEN years ago Cal Farley's Boys Ranch FFA, near Amarillo, Texas, planted some vegetables, corn, beans, and okra on an experimental basis. They wanted to see what could be produced in the area, and how it would fit into the meal planning and preparation for the boys.

The production exceeded all expectations and the variety of vegetables was increased over the years. Soon the preparation of all the fresh vegetables grew to be more work than the personnel in the dining hall could handle. Boys were sitting in the storage rooms and everywhere shelling beans.

Officials at the ranch realized that in order for this operation to be practical they needed some equipment and then the surplus could be canned. In the spring of 1971 a vegetable cleaning room and cannery was completed in the food processing building. The building houses the milk pasteurization and packaging operation, slaughtering facilities, and honey processing room. An FFA member working in the processing facility learns every phase of a particular operation.

The FFA members went to work that spring making preparations to have enough vegetables to can. They planted 34 acres of vegetables including green beans, blackeye peas, corn, okra, squash, pumpkin, cucumbers, cantaloupe, and watermelon. In addition, 6,000 tomato plants were set out in the field. They were started from seed in the greenhouse early in the spring.

The squash grew faster than it could be consumed; the okra grew as fast as it could be picked. And the watermelons sure tasted good after an afternoon of picking beans.

The 350 boys can consume a lot of squash, but they had enough to share with the cows after they marketed all they could. This season the acreage has been cut down, especially the squash, to 24 acres. However, they expect to have almost the same quantity of other vegetables.

Food prices haven't or won't bother the boys very much. As long as they don't mind using a hoe and putting forth some effort, there will be plenty to eat at the Cal Farley's Boys Ranch FFA. *(By Guy Finstad, Advisor.)*

Mr. Donald Kimmel, marketing coordinator for Funks Seeds, congratulates 1972 national crop production winner Greg Blosser of Delaware, Ohio. Greg says, "The Crop Proficiency award program established a goal toward which I worked." Greg grew a total of 734 acres of crops, including 624 acres of soybeans.

school, and nine are now full-time farmers. All carried on a crop program in 1972, and all plan to pursue careers in agriculture.

More than half of the respondents from both years are in partnerships with one or more members of their families. Among the college group in the two-year survey, 22 out of 36 are involved in partnerships—12 out of 19 in 1971 and 10 of 17 among the 1972 crop winners.

The 11 high school students in the survey present a different comparison. Only five reported partnership agreements. Thirteen of the 19 full-time farmers are working under partnership agreements.

Crop Production acreage ranged from a high of 1,610 to a low of one acre among 1971 winners. In 1972, the low was 1/6 acre and the high was 427 acres. For those in college, the average crop acreage was 225.2 in the 1971 group compared to 139.35 in 1972. Among those still in high school, the averages were 104.2 in 1971 and 65.04 this year. Winners now farming for a living averaged 280.7 acres in the 1971 program and 98.8 median in 1972.

Crop program acreage figures for the year following the awards reflect some interesting changes. Though the average acreage of the college group differed greatly from year to year, the winners still in high school increased their programs slightly in both years. The largest increases in the average acreage following the program year, however, came in the full-time farmer group who made a significant jump in their crop production.

Corn was the most popular crop among the winners. Thirty-nine winners grew corn on a total of 2,059 acres. Among those who became full-time farmers after the 1971 program, the number growing corn was twice as great as those still in high school or college. The acreage involved was more than double that of the other two groups.

The 1972 winners changed that picture to some degree. Thirteen of the college group grew corn during the crops program year compared to five among the full-time farming group.

Full-time farmer winners in the 1972 program increased their corn acreage from an average of 50.4 acres during the crops program judging year to 73.2 acres this year. This compares to college group averages of 29.16 acres during the judging year to 44.84 acres the following year.

Yields gained across the country for all groups was 94 bushels of grain per acre during the two-year survey. Corn harvested for silage averaged 21 tons per acre both years. One winner grew corn for seed.

Wheat ranked second in popularity among the 1971 winners and fourth with the winners named this year. Hay and pasture crops were third both years. Soybeans jumped from eighth in 1971 to second place in 1972. Vegetable crops and sorghum were the fifth and sixth most popular crops with winners from both years.

The majority of the crop production winners own or share ownership in equipment used in their programs. Thirty-seven winners share ownership of all equipment while 18 own equipment outright. The remaining individuals own no equipment. Most of this latter group use home-farm machinery and equipment in return for labor.

Without exception, all of these FFA members agree that good farm records are vital to a successful crops program. This attitude is best summed up in the words of Don Garlow, 1972 state winner from Concordia, Kansas, who says, "Good records are essential in all parts of my program. Records help show which crops yield the best for the dollar invested."

And based on their records, it would seem that all of the winners are going full blast this year.

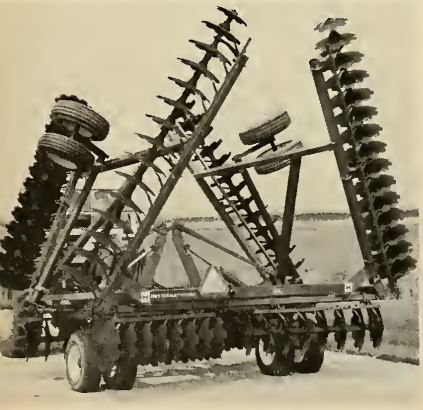
Vernon Rohrsheib, 1971 national crop winner, is going "full blast" with new 40,000 bushel corn storage units. He is in partnership with his father on a farm outside Fairmount, Illinois.

Machines to Till With

Here are some of the 1973 implements available for getting in those crops.

The MF 1155 is the largest of four new high-powered tractors available from Massey-Ferguson. PTO horsepower has been increased to 140 and lift capacity by about 20 percent. Options include an 8- or 12-speed transmission.

International Harvester's 490 wheel-controlled disk consists of a basic unit and two hinged wings. The hydraulically lifted wings float on separate wheels, and wheel axles are synchronized with the main gang depth axle.



MANY old ideas are being incorporated into modern tillage machinery, but in new and different ways. Here is just a sampling of the implements being offered in 1973 with such innovations.

Tractors. A big thing in new tractors is less noise—both in cabs and engines. To illustrate, the optional cabs, available on the four new high-horsepower tractors from Massey, register less than 85 dBa under full load. Meanwhile, the new 666 Series International Farmall tractor features a new 312-cubic inch diesel with added power but less noise.

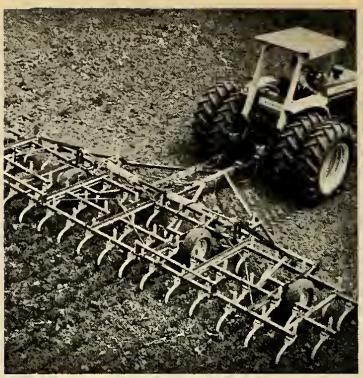
Several manufacturers have also added greater hydraulic lift capacity and pulling power to their big tractors. On the other hand, more attachments are being made available for small acreage tractors. As you visit local dealers note further the many new comfort options, safety devices, and serviceability features.

Plows. In general, versatility describes the new plows for this year. For example, the new John Deere 4200 two-way plow can be expanded from three to four bottoms or switched from 16- to 18-inch bottoms, depending on the size of the tractor. Similarly, the company's Series 3100 drawn plow comes standard with an adjustable hitch for on-land or in-furrow plowing and can be operated singly or in tandem from an 8- to 12-bottom plow.

Still another major machinery company provides versatility with independent hydraulic control of the front and rear of semi-mounted plows.

Harrows. Many firms are putting different combinations of standard tillage tools together in one machine. Examples include the mulch tiller pictured on this page and harrows with packing rollers, spring teeth, and tine-teeth all in one unit.

Overall, disk harrows and cultivators, like the ones shown, are getting wider and wider as big-job farm tractors require larger machines.



The new version of the Model 208 wing-type cultivator by Ford comes in 23½- and 32-foot widths. All wheels are individually adjustable with a single remote cylinder. Wings fold a full 90 degrees for a 15-foot transport width.

A unique implement, the 1700 mulch tiller, has been introduced by John Deere. The 1700, available in 11- or 13-foot widths, has a pair of disk gangs mounted in front and three ranks of chisel-plow shanks at the rear of the unit.

The 620, a 19½-hp. tractor, has been introduced by Allis-Chalmers for small acreage farming. Standard features on the 620 are center-mounted hydraulic lift, a three-speed hydrostatic transmission, and a side draft carburetor.

Remember last fall:

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History often repeats itself.

That's why so many farmers are thinking about last year's results before they choose this year's seed.

It's a hard year to forget. Matter of fact, it was one of the toughest harvests ever. A lot of varieties lodged and field losses were high. But on farm after farm, the hybrids that stood up and bought you enough time to salvage the others seemed to be Pioneer.

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So, see your Pioneer salesman soon. On your way over, remember last fall. And base your seed corn decision on performance—not promises.

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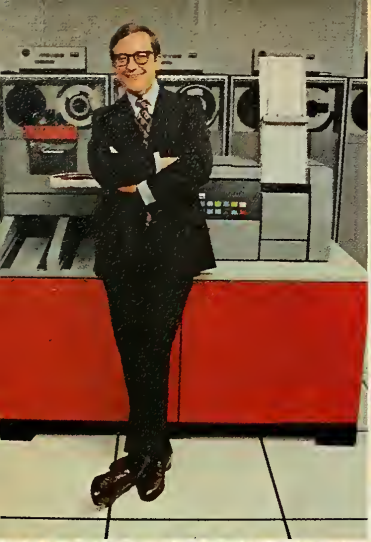

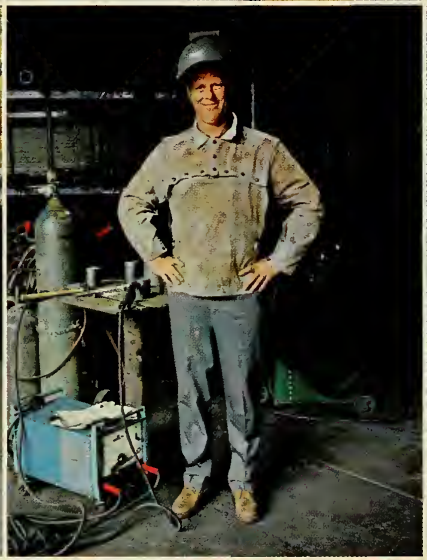

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In a few words, No-Tillage farming is here to stay. Already there are some 20 million acres devoted to this technique and that amount could easily quadruple in the next few years.

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Circleville members study about agricultural products in class. They then spend many hours curing their own.

The BIG $ Show

It puts a lot of money in the pockets of many FFA members and is educational, too.

Eugene Rice, a graduate auctioneer and state FFA secretary, sells a ham as the head auctioneer takes a break.

Circleville's Sonny Bennett presented his 17-pound ham to his buyer, a representative of a distributing firm.

LAST fall, members of the Circleville Chapter along with other West Virginia FFA members began preparing for the annual West Virginia Ham, Bacon, and Egg Show and Sale. The 30th annual spring event will be held this March 24 to 26.

On their way to the state show, contestants display their pork cuts and eggs in regional shows throughout the state. The ham and bacon shows are divided into classes, including light, medium, and heavyweight divisions. The eggs are shown in brown and white classes.

The three-day state show offers West Virginia members a premiere chance for selling their agricultural wares. On the last day of the event the members' hams, bacon, and eggs are put up for auction. The proceeds of the sale go to the FFA members who produced or cured the prize winning agricultural products during the year in vocational agriculture.

Various business concerns in Charleston sponsor a dinner for vocational agriculture teachers and FFA members attending the state show.

Last year, a total of 100 FFA members reached the state contest held at the Daniel Boone Hotel. The members came from 24 high schools in 18 counties to exhibit a total of 116 hams, 90 sides of bacon, and 69 dozen eggs.

Among the state contestants were ten Circleville FFA members exhibiting seven prime hams, one choice ham, and two hams grading good. Sonny Bennett led his chapter as he was awarded the reserve championship for his outstanding ham. Sonny's ham was "bid in" at $32.50 per pound and paid him a total of $552.50 for the salt cured ham.

The grand champion ham was exhibited by Brad Gorby of Hundred High School and it earned him $2,737.50, or $150 per pound. The grand champion bacon paid $305 per pound for a total of $1,982.50 to David Postlethwait also of Hundred High. Larry Holley of Hannan sold his champion dozen of eggs for $1,000—a new record in the egg division.

All totaled the show grossed $15,479.30—a new record for the state sale. From the 29 sales held throughout the state, FFA members realized a total of $157,929.

As in years past the statewide event will undoubtedly set new gross dollar sales records. And it's likely Circleville FFA members will take home their share, too.

Celanese Salutes th

Celanese has the privilege of sponsoring the FFA Proficiency Awards in Dairy Production. We would like to take this opportunity to let all FFA members know how proud we are of our Dairy Winners, and their accomplishments.

Regional Dairy Production Winners are shown in the photograph. Left to righ are Harry Bartley, VP Celanese Chemica Company; Thomas Lee Morlock, Buckeye FFA Chapter, Medina, Ohio, who was de clared National Winner; Randy Lintz, South Green FFA Chapter, Greeneville, Tenn. Robert Campbell, Grassland FFA Chapter

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Cows for college!

CARL Shewbart's cows are paying for his college education. That has been the Speake, Alabama, FFA member's plan from the beginning of his enrollment in high school agribusiness education course which started four years ago and ended last spring.

According to J. C. Shewbart, Carl's dad and agricultural education teacher, "Carl's mother and I want him to have a college education. But in our opinion, the biggest lesson to be learned in college or anywhere else is appreciation. That's why we have encouraged Carl to save and plan for this important milestone."

Beginning with just two cows in 1968 Carl persuaded his grandfather to take him to cattle sales to buy additional animals as capital became available. "I have to give Grandpa a lot of credit," says Carl, past president of the Alabama Association. "He's backed this effort from the start."

Today Carl is an Auburn University Freshman and has increased his beef herd to 18 brood cows. Carl notes, "They won't quite foot the bill for my college expenses. But if my cows can each produce a $100 calf per year, and I work part-time during the summers in addition to caring for my cows, I'll be able to pay-as-I-go to Auburn."

Carl's "from cows to college," program, in addition to financing his education, earned him the first place award in last year's Alabama FFA Livestock Production program. *(By Cecil Gant)*

A plan similar to Carl's just might advance you toward your career goal.

Choosing A Career?

"Adulthood and its responsibilities to family and mankind come early. As a teenager it is time to give serious consideration to the career one expects to follow," counsels Miss M. Hilda Dailey, a Virginia Tech assistant professor of management, housing, and family development.

"What is the nature of the career? Does it require you to go to school to train for it? What is the future for that career?" challenges the specialist.

"There will be more professional and managerial occupations requiring college degrees. But sub-professional jobs are rapidly growing, too. Social service aides, food processing technicians, surveyors, forestry aides, library aides, and occupational therapists are cases in point," Miss Dailey discloses.

Of jobs to be filled during the remainder of the '70's eight of ten will be open to people who hold no college degrees. But, those jobs are going to require more job-training to keep abreast as industrial processing, technology, and business procedures become increasingly complex. Such jobs include business machine servicemen, construction machinery operators, stewardesses, hospital attendants, receptionists, electronic computer operators, and cashiers.

"Other fast growing professional technical and managerial jobs in which college degrees will stand applicants in good stead are vocational counselors, marketing researchers, public relations specialists, urban planners, systems programmers, analysts, and nearly all of the health field specialists," the extension specialist notes.

"Remember, the types of jobs and the numbers of people in those jobs are undergoing change in our modern economy," assures Miss Dailey. "The changes taking places will affect young people just entering their careers."

Career Shorts

By 1980 Americans will spend $56 billion a year for outdoor recreation, predicts the USDA. This boom will likely create some 200,000 new full-time jobs in small towns and open countryside. These jobs will range from directing ski resorts, shooting preserves, and golf courses to providing associated services including lodging, bait and tackle shops, and food service stations.

Quoting a survey by the National Science Foundation, Mr. John Sanders, placement officer at the University of Missouri, says the unemployment rate of agricultural scientists is the lowest of all scientists. Unemployment among scientists range from a low of .9 percent for agricultural scientists to 4.5 percent for linguists. All but 110 of 12,708 ag scientists surveyed were employed.

More than 40,000 active veterinarians will be needed in 1980, up 15,000 from 1970, as projected by the committee on veterinary medical research and education of the National Research Council. These estimates, printed in the committee's report *New Horizons for Veterinary Medicine*, predict the supply of veterinarians at 38,000 by the same time, leaving a deficit of 2,000.

Clemson University, who offered Master of Agriculture degrees in agricultural mechanization last year, will begin a new Bachelor of Science degree program in agricultural mechanization and business next August. The new program will prepare students for employment in agribusiness management as farm owners and supporting service organizations, says Dr. A. W. Snell, head of the university's agricultural engineering department.

More Career Information

Foreign Agriculture: *(1) Careers in World Agricultural Development. (2) A Developing World and USDA's Contributions. (3) USDA Offers Agricultural Expertise to the Developing World.* Single copy of each free from USDA Economic Research Service, Foreign Development Division, Reports & Technical Inquiries Staff, Washington, D. C. 20250.

Forest Products: *Opportunities Unlimited in the Forest Products Industries.* Single copy free from Wood Industry Careers Program, National Forest Products Association. 1619 Massachusetts Avenue, N.W., Washington, D.C. 20036.

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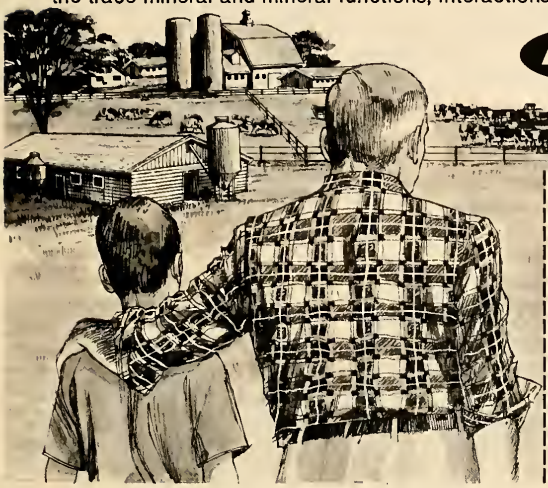

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Putting Up a Billboard

It takes hard work, but it can be done with a little initiative and cooperation.

The author and Obion County Central member Rickey Cole stopped for a look.

A YEAR ago last fall I ordered a billboard poster from the National FFA Supply Service to use in an FFA fair booth. After it was up I got the idea of how great it would look along the four-lane highway near our school. My friend Logan Sturgis agreed.

Because Logan and I were graduates of vocational agriculture, we asked Advisor Claude Anderson about the billboard. His only question was the cost. The man who owned the land by the highway also said it would be fine to put up the billboard if it looked nice.

So Logan and I took down the poster at the fair and rounded up four creosote poles, fifteen boards, and the necessary tools for the project. In one day we had the 12- x 20-foot billboard up and the five plywood backing sheets painted.

Logan and I managed to get the 24-piece poster glued to the plywood. It looked good except for some amateur wrinkles, and although Mr. Anderson and Mr. W. T. Hime, our other advisor, knew we were up to something, they didn't know what it was.

When Mr. Anderson finally saw the billboard he said, "Did you boys do that?" The billboard is located in sight of the southbound traffic on U.S. 51, about one mile north of Troy in northwest Tennessee, home of the Obion County Central FFA. *(By Robert Pardue, Tennessee FFA Reporter)*

Becoming Someone

He says it's a matter of doing your thing for respect.

THE philosophy of Spencer Means is the same as his FFA advisor's, "A person must become someone if he is to have the respect of anyone." And Spencer, president of the Carver, Alabama, Chapter, has done just that by, in his words, "trying to make the most of the opportunities for leadership development in the FFA."

Spencer joined FFA with two goals in mind—to become a chapter officer and to participate in public speaking.

Now, as a junior in vocational agriculture taught by Instructor E. W. Underwood at Eutau High, the young leader has been successful at both. He began by serving as chapter treasurer for two years before being elected to his current office. He further worked as chairman of the program of work, banquet, and food serving committees. This past year he ran for state officer and he says he will be back to try again next year.

His public speaking ability took some time to develop, but he did it in supreme fashion. After participating in the Creed contest, Spencer won the chapter and county speaking awards the following year. He placed second in the district.

Spencer, coming through the respective contests in 1972 with more confidence, finally won the Alabama FFA Public Speaking contest. He went on to become runner-up in the Alabama, Florida, and Georgia tri-state contest with a speech entitled "Farming—A Challenge and An Opportunity."

Spencer's next speech, "FFA Continues to Mean Opportunity," was before the largest audience he has ever spoken to. And as he stood behind the podium at last year's National FFA Convention he said, "I am grateful for the opportunity of appearing before you. I just couldn't pass it up."

Why? As he explains it, FFA affords the opportunity for occupational discovery, leadership development, and for being a contributing and responsible citizen to all of its members.

Spencer's actions back up his statements. His farming program includes 80 head of beef cattle, 30 acres of hay, 20 acres of corn, 2 acres of vegetables, and a pond stocked with catfish. Together, he, his father, and his mother own 250 acres of land.

"FFA has meant opportunity for me on just about every corner," says Spencer.

Different members single out many things in the FFA as being instrumental to them. But Spencer tells it this way. "While I was born a farmer, I was not born a leader. I will, therefore, continue to work on making 'a someone of myself' through the FFA."

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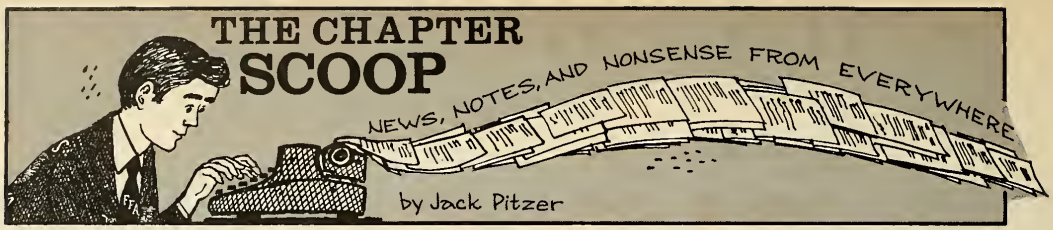


Shannon Allen reports that his *Piute,* Utah, Chapter had a snowmobile trip with FHA for a winter outing.

N-N-N

Does someone in your chapter remember to take good black and white pictures of things? Parties. Visitors. Meetings. Awards. Teams. Projects.

N-N-N

Winner of the *Greybull,* Wyoming, hog calling contest for Greenhands was **Shirley Nielsen.**

N-N-N

Community service means just that at *Grover,* Colorado. Their committee has three major projects to its credit.

N-N-N

Ledyard Regional Chapter in Connecticut, will use citrus sales proceeds for scholarship fund.

N-N-N

Prague, Oklahoma, Chapter reports they have one of the tallest members. **Jack Johnson** is 6 feet and 11 inches. "Yes, he does play basketball."

N-N-N

FFA at *Wenatchee,* Washington, sold 368 pumpkins through fourth grade cooperative they helped organize.

N-N-N

Randy Messer, Daryl Brehm, and **Phil Schwantes** helped fellow *Beaver Dam,* Wisconsin, member **Howard Bohl** capture his steer. It had roamed three weeks after its escape.

N-N-N

Girls vying for *Ringgold,* Louisiana, FFA sweetheart earned $190 for the chapter. **Paula Corley** won.

N-N-N

Members must like watermelon at *Eddyville,* Iowa. Ate 400 pounds of it.

N-N-N

Eagle Bend, Minnesota, used their main street to check lights and windshield wipers in voluntary vehicle check.

N-N-N

"Our chapter has done six one-minute TV programs on safety." *New Hampton,* Iowa, harvest safety effort.

N-N-N

Do you have plans to work, visit, exchange, learn, play, or compete with a neighboring chapter?

The tree for *Lamont,* Oklahoma, school Christmas program was provided —and decorated—by FFA.

N-N-N

How about making a ping pong table for your school? Or putting a floral arrangement in the visitor reception area each week?

N-N-N

Three *Utica,* Nebraska, members showed hogs at the American Royal which is held at National Convention time in Kansas City.

N-N-N

Mason Valley, Nevada, Chapter is giving hams and turkeys for prizes at their trap shoot.

N-N-N

Green Ridge, Missouri, FFA handled ushering duties again at state fair.

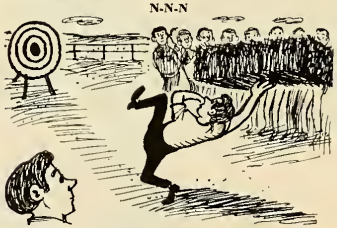
N-N-N

Latest project of *Hood River Valley,* Oregon, is developing an information booklet about their chapter. For general public and supporters.

N-N-N

Three *Arenac Eastern,* Michigan, FFA members and their advisor walked the Mackinac Bridge.

N-N-N



A fun activity of *Milan,* Missouri, Chapter was bale throwing contest.

N-N-N

Longest name we've ever run across at the magazine is **Mike KRYWOKA-BOYUSKYJ** of *Gilbertsville,* Kentucky.

N-N-N

Greenbrier East, West Virginia, sold $11,000 worth of chow in their "Country Ham" sandwich booth at state fair.

N-N-N

Anna, Ohio, sent 847 surveys to discover community needs for BOAC.

N-N-N

Janet Moore, Buddy Cluck, and **Tony Miller** made up the horse judging team at *Zillah,* Washington, FFA.

N-N-N

Three or four promising Greenhands are invited to participate in *Tracy,* California, officer's leadership outing.

N-N-N

Section, Alabama, celebrated 10th anniversary last month. How old is your chapter?

West Greene, Tennessee, Chapter bought a van with the athletic department. It's gold with blue interior.

N-N-N

Members of *Daviess County,* Kentucky, elected two chapter sweethearts?

N-N-N

Firewood sale—chopped and delivered by *Prescott,* Arizona, members.

N-N-N

Clayton, New Mexico, has built six gilt chains in their chapter.

N-N-N

There are still early birds. **Skip Salisbury** of *North Kingstown,* Rhode Island, gets up at 4:30 each a.m. to milk.

N-N-N

Absarokee, Montana, FFA says one reason for their successful banquet was their school's cooks. Don't forget to recognize them in your school.

N-N-N

Many chapters like *Earlville,* New York, have worked to develop a park or rest area. Don't forget to go back and check how it is. Paint. Repairs.

N-N-N

Eight Greenhands from *Pender,* Nebraska, used money from a basketball game coat check stand for fishing trip.

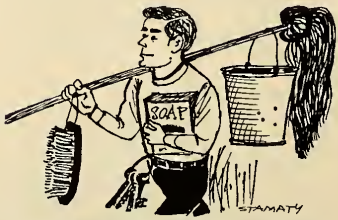
N-N-N

Walkersville, Maryland, has formed a ten member FFA band.

N-N-N

A record of 48 Greenhands were initiated to the *Fremont,* California, FFA.

N-N-N



Steve Burns, president of *San Angelo,* Texas, FFA was elected by his classmates to be class janitor.

N-N-N

Contrast idea for centennial parade. Have a modern tractor pulling a hay stacker. This equipment behind horse and buggy. *Meriden,* Kansas, idea.

N-N-N

When tornado destroyed old concession stand of *Dalhart,* Texas, FFA, townspeople donated a new mobile unit.

N-N-N

Be in. Get your chapter's name and news, good ideas, crazy project, or latest happening. "The Scoop" is selected from readers' letters.

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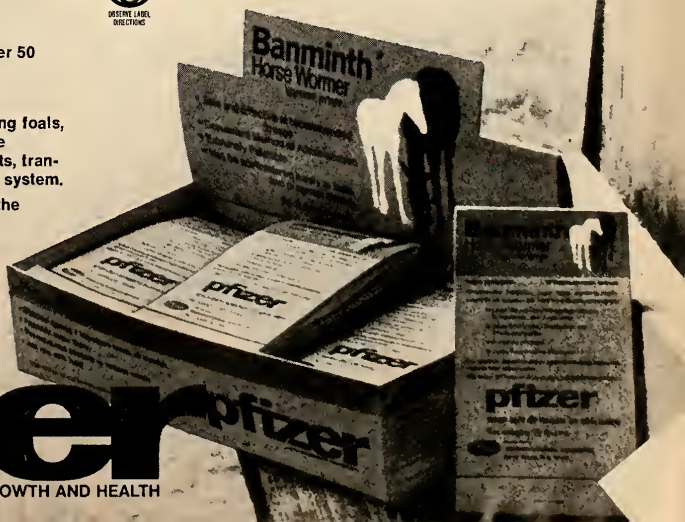

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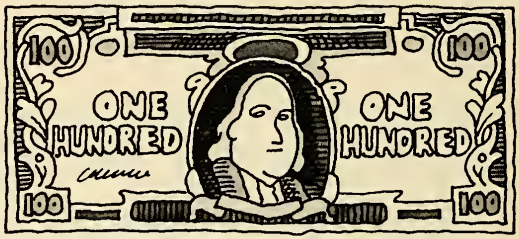

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Willamette University, Salem 97301

PENNSYLVANIA
St. Joseph's College, Philadelphia 19131
Duquesne University, Pittsburgh 15219
Lehigh University, Bethlehem 18015
The Pennsylvania State University, University Park 16802
University of Pittsburgh, Pittsburgh 15213
Allegheny College, Meadville 16335
Grove City College, Grove City 16127
Wilkes College, Wilkes-Barre 18703
Gettysburg College, Gettysburg 17325

PUERTO RICO
College of Agriculture & Mechanical Arts (UPR), Mayaguez 00708
University of Puerto Rico, Rio Piedras 00931

SOUTH CAROLINA
Baptist College of Charleston, Charleston 29411
The Citadel, Charleston 29409
Clemson University, Clemson 29631
University of South Carolina, Columbia 29208
Newberry College, Newberry 29108

SOUTH DAKOTA
South Dakota State University Brookings 57006

TENNESSEE
Memphis State University, Memphis 38152
Tennessee State University, Nashville 37203
University of Tennessee, Knoxville 37916
University of the South, Swanee 37375

TEXAS
Lamar University, Beaumont 77710
Pan American University, Edinburg 78539
Texas A & M University, College Station 77840
Baylor University, Waco 76706
Southern Methodist University, Dallas 75222
Texas Tech University, Lubbock 79406
The University of Texas, Austin 78712
East Texas State University, Commerce 75428
North Texas State University, Denton 76203
Southwest Texas State College, San Marcos 78666
Texas Christian University, Fort Worth 76129
Angelo State University, San Angelo 79601
Sul Ross State University, Alpine 79830

UTAH
Brigham Young University, Provo 84601
Utah State University, Logan 84321
Southern Utah State College, Cedar City 84720
University of Utah, Salt Lake City 84112

VERMONT
St. Michael's College, Winooski 05404
Norwich University, Northfield 05663

VIRGINIA
Virginia Polytechnic Institute, Blacksburg 24060
Virginia Military Institute, Lexington 24450
University of Virginia, Charlottesville 22903

WASHINGTON
University of Puget Sound, Tacoma 98416
Washington State University, Pullman 99163
University of Washington, Seattle 98195
Central Washington State College, Ellensburg 98926

WEST VIRGINIA
Davis & Elkins College, Elkins 26241
West Virginia University, Morgantown 26506

WISCONSIN
University of Wisconsin, Madison 53706
University of Wisconsin at Superior, Superior 54880

WYOMING
University of Wyoming, Box 3005, University Station, Laramie 82070

SUCCESSFUL ALUMNI

Paul S. Weller, Jr.

WHEN Paul Weller was in high school, his counselor advised him to not take vocational agriculture. The reason given was that Paul was smart enough to make it in another field. But Paul stayed in vocational agriculture, joined the FFA, and was active at both the local and state level.

After graduation from Hagerstown High School, Paul enrolled at the University of Maryland and earned a BS degree in agricultural education. He served as president of the Collegiate FFA Chapter and was editor of the *Collegiate FFA Reporter*, a magazine dealing with students studying agricultural education.

From college, Mr. Weller became assistant editor of the *Pennsylvania Farmer* and FFA articles frequently appeared over his byline. He then joined the staff of *The National FUTURE FARMER* as associate editor and spent the next 2½ years writing and editing articles for FFA members in their magazine.

New challenges loomed on the horizon and Mr. Weller joined the public relations staff of Burson-Marsteller, Inc. in Chicago, working principally on agriculture accounts. From there, he tried his hand in advertising with Jim Roe and Associates, a division of the E. H. Brown Advertising Agency, Chicago.

Mr. Weller returned to Washington, D. C. when he was offered a position on the public relations staff of Smith, Bucklin & Associates. One of his major assignments was to serve as manager of public relations for the Soybean Processors Association. In February, 1972, he became director of public affairs for the National Council of Farmer Cooperatives, as he continues to serve agriculture.

Mr. Weller received the Honorary Farmer degree at this past National FFA Convention. He would be quick to tell you that his is an exciting career, especially for a young man who was advised to seek a career other than in agriculture.

KNOW-HOW IN FORESTRY

UNITES YOUTH WITH OPPORTUNITIES

ABOUT 20 FFA members in the Greenbrier West Chapter at Charmco, West Virginia, prepare specifically for careers in forestry every year. Besides studying forestry techniques in the classroom, they obtain practical experience in most areas of the forestry industry.

Vo-ag forestry students at the Greenbrier County school learn dendrology (tree identification), silviculture, measuring and grading techniques, soils, harvesting methods, wood technology, and wildlife biology. The course is taught by Vo-ag Instructor Donald Michael. He uses the American Pulpwood Association's handbook and news releases plus a vocational agriculture forestry guide as subject resources.

The Greenbrier West forestry program was previously developed by Instructor Sherry Hill, who became director of vocational education in Boone County, West Virginia, last summer.

FFA members gain actual practice in surveying and timber cruising on the school's forest land and farmers' woodlands. Guided by their advisor, they perform pruning skills on conifers surrounding many local homes upon request. Lumber grading and wood identification experience is acquired through class and chapter forestry judging contests. And, of course, members carry on either forestry farming or work experience programs.

Each forestry student constructs a tree planting dibble, a fire rake, and makes a Biltmore timber estimating stick. They also build picnic tables for recreation parks, truck racks, and farm gates. Much of the lumber used by shop classes is donated by forest product industries and Haywood Technical Institute of Clyde, North Carolina.

Throughout the course soil conservationists are invited to speak to classes about watershed projects and farm extension personnel are asked to talk about tree farming. Part of the course requires FFA members to participate in a gun safety training program conducted by vo-ag instructors and sponsored by the West Virginia Natural Resources Department.

Forestry classes visit the Northeast Region Forest Products Marketing Laboratory—a federal research station which studies such commercial uses of wood as eye beams for buildings and posts for highway guard rails. FFA members are further acquainted with the paper and lumber milling industries through conducted tours.

In the past two years the Greenbrier West FFA has sent three delegates to the Youth Conservation Corps Camps. In addition, the chapter annually sends delegates to the West Virginia Forest Industries Camp and selects two members to attend the West Virginia Conservation Camp which includes studies in forestry and wildlife.

The Greenbrier West conservation and forestry program was designed to meet the needs of the area's major agricultural industry—forest products. Companies like WestVaCo and Georgia Pacific use 80 percent of the timber resources and employ a high percentage of local citizens. When forestry instruction started in 1968, the average age of the forest products employee in the Charmco community was 55 years.

The forestry course has already benefited the community. In past years FFA members helped the Greenbrier Valley Soil Conservation District by making a study of the proposed Meadow River watershed project. Moreover, five members planted some 10,000 trees. This year, a number of FFA members planted 15,000 trees which were donated by WestVaCo. As a chapter project Greenbrier West members transplant trees for local merchants.

Recently, several companies have expressed an interest in hiring vo-ag graduates with forestry experience. One student, upon returning from military service, has been working two years for the Plant-Pest Division in the West Virginia Department of Agriculture. Two other students have been working for the conservation service in the summer.

Besides providing forestry instruction for vocational agriculture students, a course in forestry is being planned for 12 to 15 farmers to attend between October and April. Futhermore, ap-

Drawing up plans for wood and lumber projects is an important phase of the Greenbrier West forestry program.

Here FFA members compete in a wood identification contest. They also take part in a lumber grading contest.

Students learn surveying techniques on the school's nearby forest land.

proximately 15 low income or geographically isolated students receive schooling in landscaping and grounds maintenance. The Greenbrier West vocational agriculture department numbers 54 students and the FFA chapter totals 65 members.

This is the first in a series of "Unites Youth With Opportunities" articles. The series will tell how various FFA and vocational agribusiness programs are providing youth with the opportunity for experiences in many different areas of agribusiness. Upcoming articles will describe how advisors are using cooperatives, leadership activities, and occupational experiences to prepare students for a life in agriculture.

APPLYING THE SKILLS

TWO members of the Greenbrier West FFA began working for Crestwood Tree Farms in the spring of 1970. Robert Martin and Craig McClung are now considered proficient nurserymen by Mr. Frank Bivens, co-owner of the family operated tree farm.

"You couldn't find better workers. Both work at their jobs very enthusiastically," says Mr. Bivens. "They are highly dependable and have become quite proficient."

Since the owners of Crestwood work away from the farm during the week, Craig and Bob are given weekly assignments. The FFA members are responsible for getting the work done and showing employees how to do specific jobs.

The Crestwood Tree Farms consists of 57 acres and all but two acres are woodland. Scotch pine, white pine, white spruce, and blue spruce are the main trees raised on the farm. In addition, three acres of shrubbery are grown.

Crestwood Christmas trees are distributed wholesale to West Virginia, North Carolina, and Virginia. The shrubbery are sold wholesale to nurseries and landscape companies, plus on a retail basis for home landscaping.

"Mr. Bivens has been doing a fine job of teaching the members tree growing skills," says former Advisor Hill. "The department has had three students work for him and all have proven very reliable."

Craig and Bob each work two hours daily after school—more during the rush season between Thanksgiving and December 15—and nine hours on Saturday. In the summer both work between 40 and 45 hours per week.

Every spring 3,000 new trees arrive on the farm for Craig and Bob to plant. In two or three years these scotch and white pine seedlings will be ready to harvest. Next the nurserymen transplant blue spruce from nursery beds to fields.

Trimming and pruning, also known as shaping, is the major duty of the summer for the FFA members. The two also spray for aphids in selected plots. In the fall Bob and Craig begin spraying saleable trees with artificial coloring.

The winter rush season calls for tagging suitable trees in preparation for Christmas. Later Bob and Craig assist in cutting some 4,000 to 5,000 trees using bow saws. The trees are loaded on wagons pulled by tractors and delivered to trucks at a single loading point.

Shrubbery does not require as much time or care. Bob and Craig set out new plants, weed them, ball and burlap mature plants, and reset plants for purchasers. They occasionally need to spray the brush type plants.

"Our interest in tree farming work was created through vocational agriculture," remarks Bob.

"Our rural background has helped us, too," adds Craig.

Before coming to work for Crestwood Tree Farms, Craig worked for the Department of Natural Resources on a surveying crew as a rod man. He helped in the study of boundaries for parks, roads, and reclamation lands, plus marking maps. Craig, chapter reporter and a district Creed contest winner, is thinking about a career in surveying or tree farming. Craig also participated on the chapter's parliamentary procedure team which won first place in the state.

Bob, on the other hand, is considering teaching vocational agriculture. He is the current president of the Greenbrier West Chapter and previously won the Star Greenhand award. Last year he earned the scholarship award and served on the state officer nominating committee. Attesting to his experience in the nursery field, Bob won the high individual honor in the district land judging contest as the chapter team took firrst place. *(Articles and photos by Ron Miller)*

After digging up shrubbery for a customer, Craig, left, and Bob burlap the roots before delivering the plant.

Hobbies for Youth

Even Slingshots

Innovations in everything from the handle to the pouch and ammunition make the slingshot still more fun.

By Chuck Saunders

SLINGSHOT shooting is as much a part of rural America as apple pie. Exactly how many years is not known for sure. Certainly for 75 years or more this weapon has been around eradicating pests and rodents, and as a breaker of a few bottles and a smasher of a zillion tin cans.

But the forked, crotched handle is rapidly giving way to special molded plastics with a wrist brace for steadiness. The inner tube band has yielded to special extruded, fast recovery rubber, and the leather pouch to the molded cup pouch. This progress is resulting in faster pellet speed and more knockout power.

The list is imposing, and represents a triumph of American initiative on the part of half a dozen manufacturers who share the bulk of the market.

Up until about 17 years ago factory produced models were just elaborate homemade models. Slightly dressed up perhaps, but still the old-forked stick, leather-pouch combination your dad made as a boy. And with which he picked off pigeons and rats.

Fun it was then and fun now, but more so now. New models can tear through a piece of plywood or finish off a pocket gopher with equal dispatch. Here's a look at these improvements.

The first improvement was the wrist brace which allowed stronger rubbers. About 20 pounds still is the maximum one can handle well without a wrist brace. This means heavier pellets and more foot-pounds of energy, and of course, more knockout power.

At about the same time the wrist brace was introduced, the concept of using tubing in place of flat rubber bands came along. This new, rubber tubing was not necessarily faster, but it did make it easier to repair the slingshot if the rubbers broke; and break occasionally they will.

The attachment of that rubber—a stretchable material to a rigid non-stretchable frame—has always been a problem and a weak spot in this style power band. The use of tubing solved the problem. It was slid over the rod frame and held much like the old Chinese puzzle. This gave longer rubber life and made repairs easier.

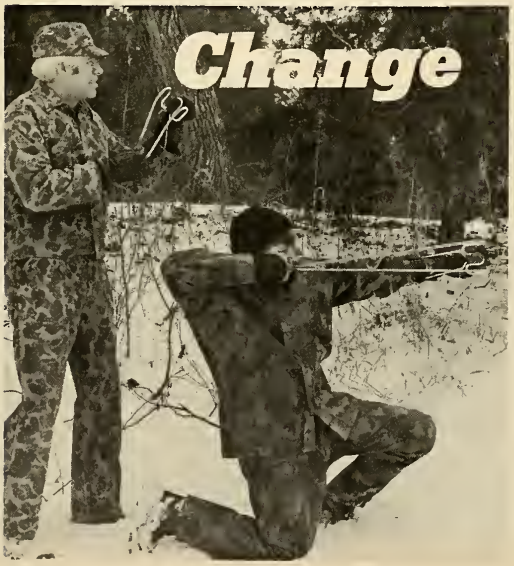
In solving this problem another was created proving the old adage that you don't solve problems, you merely change one problem for another one. This plagued the industry for years. As a slingshot is shot the pouch and rubber goes forward. This gives a reverse force on the point of attachment of the rubber to the forks and cuts the rubber up at the point of attachment. A new, molded tip of polyurethane solved this problem by cutting friction and quadrupling rubber life.

Now the pouch is undergoing major modifications. Modern plastic technology has produced a breakthrough in materials that has made new pouch design possible. A one-piece polyurethane pouch has replaced the old three-piece, leather and plastic style. This new lighter pouch allows for a heavier pellet and/or a faster pellet speed. It also lasts longer and is cupped to help center the ammunition.

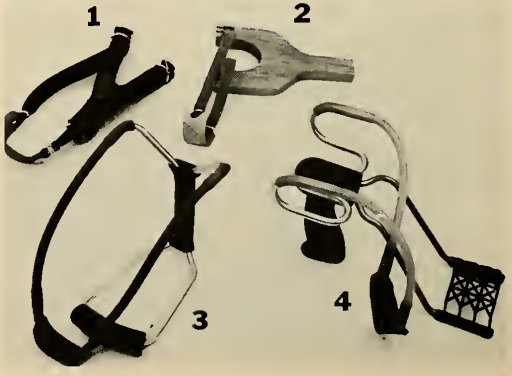
Ammunition is one of the major problems your dad experienced years ago and it is still a problem. Stones vary in weight and size and shoot inconsistently. Nine-sixteenth inch marbles are reliable ammunition and are cheaper than the smaller steel shot sometimes used. My own tests indicated the cleanest release and straightest pellet flight obtained is with a pellet about the size of a medium marble.

The modern slingshot is no toy; it is a sporting piece comparable to a pellet gun or bow and arrow in accuracy and power. It is easy to carry on the

(Continued on Page 41)



This photo illustrates the evolution of the slingshot. Number 2 is factory made but is basically the same as number 1, the homemade model. Number 3, introduced 17 years ago, is the first commercially made, wrist braced model. Number 4 features a pistol grip and new brace.



Collecting Guns

An intriguing hobby for any keen mind. Here's how to start!

By Russell Tinsley

COLLECTING firearms is much like collecting anything else, such as stamps and coins. You just have to think bigger, for each individual piece on the average will be much more expensive, and also think smaller, since price and availability dictate the size of your collection.

Getting and keeping guns just for the sake of collecting is one thing, of course; purchasing with the intent of someday realizing a nice profit depends on buying at the right price.

Really rare firearms are difficult to come by, and that is why they are rare and sell for a handsome price. There aren't many of them circulating.

If several guns within the lot are even semi-rare, you might be able to locate and buy three or four and have a representative collection; should the type be fairly common, a half dozen or more might not be much of a showpiece. But remember, collecting is a personal thing and you try to satisfy yourself with no apologies to anyone.

Suppose you decide on Winchester lever-action carbines, as an example. A basic set would include six models (all indicated by the first manufacture date, such as the most-common Model 94 being 1894): 1873, 1876, 1886, 1892, 1894, and 1895 (the latter is a military carbine).

If you study Winchester firearms you will discover that there was a considerable number of each model manufactured (thousands of the popular Model 94 still are churned out each year). So merely finding a Model 92 (1892) carbine doesn't mean it is worth much. The present value will depend on condition and what caliber cartridge it was chambered for.

The Model 94, for instance, at one time underwent some improvements and changes and became the Model 55 and later the Model 64. In Model 64 the rifle was chambered for the .219 Zipper cartridge and there aren't many of these available. So naturally this gun would be much more in demand and more expensive than the common Model 94 in .30/30 caliber. In the 1892 line, one of the most difficult guns to find is the military model.

Or if you seek something more challenging, consider a collection of, say, Remington pocket pistols. These were in production from the Civil War to about 1888, when the company was sold to Hartley and Graham and most of the handgun business was dropped. Some handguns were quite rare, like the Remington .17-caliber vest-pocket derringer, Remington's .22-caliber vest-pocket pistol (popular in the 1870's), Elliot's .32 rimfire ring-trigger pepperbox derringer (1863-1888), and the .22 six-shot zig-zag derringer (1861-62).

No one knows exactly how many of these pistols still are in circulation. But there were about 25,000 copies of the Remington .22 vest-pocket pistol sold, while there were some 150,000 .41-caliber derringers made and this gun was readily available until 1935. Anyone exposed to basic math can determine which of the two is the most valuable.

So one point should be stressed: *just because a gun is old doesn't necessarily mean it has a high-price value.* The type of gun, its condition, what caliber cartridge it was chambered for, and how many were manufactured are keys to its current price.

Like with any collecting, this can be confusing, unless you research the subject thoroughly. A rare gun might sell for $1,000-plus. Buying one of these is out of the question. Perhaps there is one in the family, passed through generations, but the odds are against it.

Yet there are many guns, some fairly common, that will bring $200 apiece or more, depending primarily on condition. Many such firearms are setting in closets collecting dust and their owners have no inkling of their worth. Sometimes you can locate such a gun

(Continued on page 41)

Collecting is a personal thing. A small number of firearms, such as this Winchester lever-action series, can be the beginnings of a specialized collection.

Photo by Author

Gallery of Agri-Art

Agriculture is contributing much to American life. And, stamp collecting is no exception to the fact.

By M. W. Martin

MANY of today's stamp collectors are taking a new approach to the world's most popular collecting hobby: Topical collecting. To become a topical collector, the rules are simple. Just pick a topic of interest and collect only stamps that are related to that specific subject.

For the FFA member, the growing gallery of agricultural stamps can be an interesting and challenging topic—and a pleasant way to spend a rainy Sunday or restful evening. The importance of agriculture can easily be seen in the number of agriculture-related stamps being issued around the world. The U.S. Post Office has long been issuing stamps for various facets of the huge industry of agriculture.

A number of American stamps have been issued directly in honor of various segments of agriculture and agribusiness. The best example of a direct issue is the 1953 commemorative issued on the 25th anniversary of the organization of the Future Farmers of America (1). *Numbers in parentheses correspond to numbered stamps shown here.*

Others have the theme hidden in the designs—ready to be "dug out" by the interested collector. A good example of the hidden theme is the 1940 Wyoming Statehood commemorative (2). It depicts the Wyoming State Seal, which lists the state's treasures. Included are the words "grain" and "livestock." The theme is where you find it—which is what makes the hobby challenging, interesting, and educational.

Other direct agricultural stamps include the Light Brahama rooster—known as the "chicken stamp"—on the 1948 commemorative marking the centenary of the establishment of the American Poultry Industry (3), the 1967 National Grange issue, commemorating the centenary of the founding of the National Grange (4), the 1959 Soil Conservation issue, which was a tribute to farmers and ranchers who use soil and water conservation measures (5), and the 1963 stamp issued for the American "Food for Peace" and "Freedom from Hunger" campaign of the U.N. Food and Agriculture Organization (6).

There is something for almost everybody in agriculture on American stamps. The fruit grower has the 1966 American Folklore Issue, featuring Johnny Appleseed (7). A truck and a farm are depicted on the 1953 commemorative of the 50th anniversary of the trucking industry in the United States (8). A clean-faced ewe with her lamb decorate the latest addition to the gallery, the 1971 American Wool Industry issue commemorating the 450th anniversary of the introduction of sheep to the North American continent and the beginning of the American wool industry (9). The cattle business is shown with a Hereford steer and an ear of corn on the 1967 Nebraska Statehood commemorative (10).

The flower farmer has not been neglected—there is a Gardening-Horticulture stamp. It was issued in 1958 (11). Our latest concern, pollution, is agriculturally featured on the Save Our Soil stamp of the 1970 series of anti-pollution stamps (12).

An agricultural collection may contain just stamps, or it can be expanded to include the various special cancellations applied to stamps on special occasions, and other peripheral materials one learns about as one gets "into" the collecting game.

One thing is certain: When it's trophy-winning time at a stamp exhibit, it's the effort put into the collection—not the cash that's spent—that wins.

The best way to begin collecting is to join the American Topical Association (ATA), a 10,000-member society, headquartered in Milwaukee, but with members in 90 countries. The ATA has many local chapters throughout the country, holds shows where members can display their collections for a trophy, and has a members-only mail sales service that permits you to buy your material no matter where you live.

The ATA issues a thick monthly magazine, handbooks on various subjects, and maintains a number of free services for the members. The dues are $4.00 a year, and include the magazine—a postcard to the American Topical Association, 3308 F North 50 Street, Milwaukee, Wisconsin 53216 will bring you free details on the ATA.

Agricultural Stamps

1

2

3

4

5

6

7

8

9

10

11

12

Collecting Guns

(Continued from Page 39)

and buy it for a pittance. But unless you can grab it on the spot for an obvious bargain, don't plunk down any money until you are sure of what you are getting.

One way to start a collection is to specialize. Rather than simply getting guns at random, try to obtain a specific type. Perhaps you will concentrate on double-barrel shotguns. There are a lot of these around, some reasonably old even if common, and it is an interesting challenge to collect as many different models as you can.

Or maybe you want to go after Winchester lever-action carbines, or muzzle-loading rifles, or Colt revolvers. Do some book digging and try to determine the availability of any particular type before you begin. This will give an insight on about what you can expect to pay for any gun.

Specializing doesn't mean you should close your eyes to other old guns, however. If you find a collectable gun at a reasonable price, by all means buy it. Then you can use it to trade for something you need in your collection.

If you are collecting Winchester carbines, maybe you need a Model 86 (1886) to fill a void. While scouting about town you come across a Sharps carbine, one of the Civil War types which was converted from percussion to cartridge arms. This is the most common of all Sharps rifles and one will sell for about $150 to $200, if it is in good condition.

You manage, if you're lucky, to pick up the Sharps for 50 bucks or less. Now you either advertise or take it to a local dealer (or one in a nearby city) and try to trade for a Model 86 Winchester. Should you swap even you have filled a gap in your collection for a fraction of what the rifle would have cost from a dealer.

Unless you are desperate (like needing just one particular gun to complete a set), stay away from dealers. You seldom get a bargain. They are in business to make money. The only "steals" in collectable firearms are those you find owned by individuals who are ignorant of their value and want to get rid of them for one reason or another.

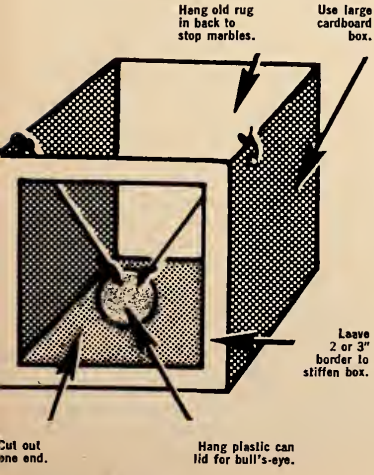
The secret, naturally, is knowing the worth of a gun before you barter. Books dealing with old firearms are commonplace and probably your local library carries several. Read everything you can on the subject. Knowledge will save you money and perhaps make you a profit if you decide to sell or trade.

The Shooter's Bible Gun Trader's Guide, by Paul Wahl (available from Shooter's Bible, 55 Ruta Court, Hackensack, New Jersey) lists the market value of the more common firearms. But many books are much more specialized, such as *The Sharps Rifle*, by W. O. Smith (published by Murrow Company); *The Rifled Musket*, by Claud E. Fuller (Stackpole Books); *Guns of the Old West*, by C. E. Chapel (Coward-McCann); *Confederate Arms*, by William A. Albaugh III and E. N. Simmons (Stackpole), plus numerous others. *(Gun Digest*, available at most sporting goods stores, has a comprehensive list of books about firearms.)

A gun collection of any significance or value is an evolution through the years. And the longer you keep it the more value you accumulate.

Slingshots Change

(Continued from Page 38)


Hang old rug in back to stop marbles.
Use large cardboard box.
Leave 2 or 3" border to stiffen box.
Cut out one end.
Hang plastic can lid for bull's-eye.

tractor or pickup for a quick shot at a pheasant or rabbit (in season of course).

To acquire accuracy, a target is a must! An easy way to make your own is shown in the figure at the left. You will be surprised at the accuracy you can obtain with just a little practice. Many young people consistently hit a five-inch disk at ten feet. Plans for a more accurate tournament target and a booklet on *How to Shoot a Slingshot* are available from Saunders Archery Company, P.O. Box 476, Columbus, Nebraska 68601.

Slingshot shooting possesses many of the same qualities as archery. In both cases it is the power of your arm transferred from you to the bow or slingshot power bands; and then from the bow or slingshot power bands to the missile that provides the power for the flight of the arrow or pellet. For small game, in the hands of one who has learned how to shoot it properly, the slingshot is efficient, deadly, and has its own special place in rural America.

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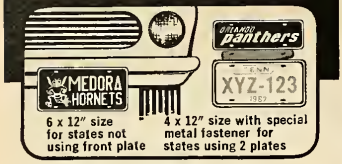

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Hobbies for Youth

Craig pins the hide, feet, and head of an animal in a natural position.

The young taxidermist received this diploma upon completing the course.

Staff Photos

This hawk, Craig's favorite trophy, is displayed in the hall of his home.

Keeping the Prey

This animal taxidermist makes money at it, too!

CRAIG Grove, an FFA'er at Madison, Virginia, says he "stuffs and mounts anything from a mouse to a bear." And if you saw his mice, hawks, raccoons, bluejays, minks, squirrels, geese, ground hogs, fox, deer, rabbits, bear, and even a skunk, you would realize what he meant.

Craig got started in taxidermy by taking a six-month correspondence course from the Northwestern School of Taxidermy. The course cost him $12.00, plus his supplies. And his training has paid off handsomely.

To prepare an animal, Craig skins it and removes the flesh. He then makes a mold using stuffing—either excelsior or tow—with wire and wood for support or a mannequin (dummy or model figure). Next, he adds a preservative and pins the animal to the molding until it dries into shape.

When asked how his family likes his project, Craig had this to say, "My family admires seeing the animals when they are finished, but they stay away while I am working on them."

The hobby skill has become rather lucrative for Craig. For example, his price for mounting a deer is $40.00 to $50.00, and for animals like mink or squirrel he charges from $10.00 to $20.00. His minimum fee is $10.00.

In addition to mounting animals, Craig has made gun racks from deer legs and feet, mounted antlers, and prepared a variety of animal heads. The young taxidermist cures animal rugs for a charge of $20.00 to $25.00.

Altogether Craig's dissecting and taxidermy tools cost him about $25.00. Thus far he has invested about $50.00 in supplies. In the future he hopes to purchase a thermometer which will allow him to start preserving fish.

"At the rate you're saving for college —you'll have to take your tuition out of your social security checks!"

FFA in Action

In Rodeo Country

Sperry FFA's junior rodeo is popular in the community. And profitable too.

Because they are located in the middle of horse and rodeo country, each year the Sperry, Oklahoma, Chapter plans and manages a junior rodeo as their annual money raising project.

The rodeo is held in October, and dozens of details and arrangements are worked out well in advance, with each chapter member working in his favorite area.

Chapter artists draw up the rodeo handbill, have them printed and mail them to every FFA chapter in the area. Chapter members send news releases to all local newspapers and radio stations, and this year appeared on Tulsa television plugging both the rodeo and FFA.

As part of the rodeo, the boys sponsor the rodeo queen contest. The young lady who sells the most rodeo tickets is the winner.

The members make all the financial arrangements and secure help and donations from local supporters.

In the interest of safety, some professional help is secured such as a rodeo clown and pick-up riders. Stock is contracted from one of the largest rodeo stock companies in the area, and a professional rodeo announcer donates his time and keeps the show running smoothly. All of the other jobs are handled by chapter members.

A number of the chapter members are rodeo performers, but at this rodeo they work. The chapter officers and sweetheart ride in the Grand Entry.

Since the sport of rodeo is so popular here, FFA has no trouble lining up contestants. Junior cowboys, aged 19 and under, come from miles around to compete for good prize money offered on a large, well planned program. Chapter members filled their books with contestants the first few hours the books were opened. This year all the hard work paid off and the FFA chapter is $1,500 richer. *(Tom Robinson, Publicity; Bob Pettis, Advisor)*

A Week Full

The Monroe, Washington, Chapter carries out a full week of activities to promote FFA and vocational agriculture. Last year they set up a display at an appliance store and put up posters, made by the beginning vocational agriculture students, in most of the businesses throughout the town. A poster was selected as the best and later displayed in the agriculture classroom.

Monroe's FFA WEEK activities began on Sunday as members attended two church services in groups.

That afternoon the chapter held an open house at the agriculture department. A film depicting activities of past Monroe FFA members was shown to visiting citizens. They also displayed FFA paraphernalia and pictures, served refreshments, and invited special guests —including a past state FFA president.

Sunday night, chapter members attended the professional basketball game featuring the Seattle Sonics and the Portland Trailblazers. FFA members also wore their jackets to school throughout the week to further promote FFA.

The official proclamation proclaiming National FFA WEEK in Monroe, signed the week before by the mayor, was displayed at school. To show civic concern the chapter picked up litter and cleaned around the school grounds on Thursday of FFA WEEK.

A Real Barnwarmin'

The Carthage, Missouri, FFA held its annual barnwarming jointly with the FHA at Jackson's barn southeast of Carthage.

Several activities were planned for

(Continued on Next Page)

Steve Eidson, Carthage president, got what he was looking for in that tub!

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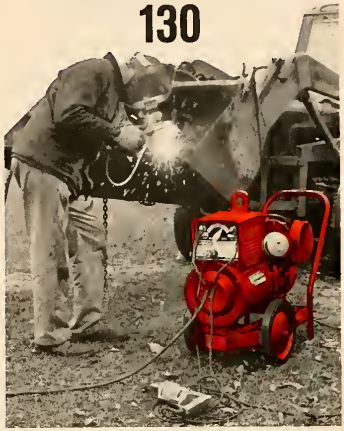

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9. None.

10. The purpose, function, and nonprofit status of this organization and the exempt status for Federal income tax purposes have not changed duriog preceding 12 months.

11. Extent and nature of circulation:

	Average No. Copies Each Issue During Last 12 Mo.	Single Issue Nearest to Filing Date
A. Total number copies printed	453,476	452,000
B. Paid circulation		
1. Sales through dealers and carriers, street vendors, and counter sales	None	None
2. Mail subscriptions	449,424	445,727
C. Total paid circulation	449,424	445,727
D. Free distribution by mail, carrier or other means.		
1. Samples, complimentary, and other free copies	1,624	2,068
2. Copies distributed to news agents, but not sold	None	None
E. Total distribution	451,048	447,795
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G. Total	453,476	452,000

I certify that the statements made hy me above are correct and complete.

V. STANLEY ALLEN, Business Manager

FFA in Action

(Continued from Page 43)

the 100 couples who attended. They had to enter the barn by way of the large hay tunnel constructed by FFA. (It consisted of a three-foot high passage with numerous dead ends.)

Mr. Jim Honey, advisor of the FFA, announced the 1972-73 FFA sweetheart, Miss Cindy Donoho, senior. Each contestant earned her position in the contest by selling votes for a penny a vote.

The queen contestants were asked to saw a board, drive a nail, and drill a hole at the dance. And in fairness to the FHA girls, king candidates had to separate an egg, sew on a button, and put on a pillow case. FFA Secretary Ron Baker was crowned king. President Steve Eidson escorted Queen Donoho to her throne atop stairstepped bales.

After the coronation a mixture of modern, slow, and square dancing, led by area caller Mr. Clem Hilgenberg, continued. Plus a few of the couples enjoyed a trip to the apple dunking tub. Homemade cookies and apple cider were served throughout the night. *(Kathy Jackson, Assistant Reporter)*

Flower Talent Shows

Riverside County, California, FFA'ers from Riverside-North, Hemet, Moreno Valley, and Rubidoux schools entered exhibits in an adult, commercial-type flower and garden show at the Farmers Fair. In the cut flower section, North High members exhibited a traditional Italian flower cart with arrangements and a mannequin dressed as an Italian flower seller. The scene was on cobblestone. *(Debbie Cunetto, Reporter)*

They Lined Up

Regional Leadership Conferences for across the U.S. were lined up by this group of state association executive secretaries, national officers, and FFA Board of Directors representatives. Back row from left: Dwight Seegmiller, president; Byron Rawls, Board member from Kansas City; Larry Warfel, Indiana; Peter Johnson, Massachusetts; Ed Stich, Nebraska; Elton Dunn, Georgia; and Tim Daugherty, vice president. Front row from left: Jerry Goolsby, secretary; and vice presidents, Bruce Erath, Zane Hansen, and Bob Hinton.

Sale Catalog

For their annual member-work auction the Modesto, California, FFA prepares a sale catalog—noting with each member's name, his grade, age, height, weight, general health, and special talents.

All workers are sold for eight hours of work and the Modesto Chapter notes that they are not responsible for any "qualifications expressed or implied" by the members in the catalog. Buyers and workers arrange the date of work, and buyers make checks payable to the chapter upon completion of the day's work.

And the Band Played

For the last 20 years, the Indiana State FFA Band has performed at their state fair during the Farmer's Day Parade (or FFA Day). Farmer's Day is a 40-year-old tradition.

The 80 FFA bandsmen give up two days of vacation time or summer jobs in order to regroup as a musical unit at fair time in August.

They perform first as a band at the state FFA convention in June with Professor Roger Heath of Purdue University as their director. He has been director of Indiana's band since 1967. Professor Heath also directs the FFA band at the National FFA Convention.

During their first performance session at the state convention the band elects officers. These FFA'ers help with organizing the group, library work, and notifying members about reporting times.

The band president meets with the state association's executive committee. *(Ken Salkeld, Indiana Band President)*

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Operation Teamwork

"Operation Teamwork's" major thrust began January 12, 1973 and continues through February 24, 1973—the last day of FFA WEEK. The aim is to have efforts peak during FFA WEEK—to not only build FFA Alumni membership but to arouse community interest in the FFA as well.

The slogan is "Give A Day to FFA." In it, someone or a group from every FFA chapter is to be designated to lead the area FFA Alumni effort—someone who will "Give A Day to FFA" to build the local FFA Alumni Association. Each will be assigned all potential FFA Alumni members as their "target" to personally call on, talk to, and enlist on the FFA Alumni team.

Additional materials are being sent directly to your chapter containing information to muster support and rally "team spirit" behind "Operation Teamwork."

Once you have signed up ten or more members your chapter is eligible to charter an FFA Alumni affiliate. To charter, send the name, address, and dues payment of the new members, along with an application for a local charter, to the FFA Alumni Association, Box 15058, Alexandria, Virginia 22309.

On receipt of your charter application, the handsome "Roll of Charter Members Scroll" and attractive "Charter Certificate" will be sent directly to your chapter. The FFA Alumni Membership Card and quarterly FFA Alumni Newsletter will be sent to members.

Everyone who signs up ten or more FFA Alumni members will receive the "Legion of Merit Citation" at the 1973 National FFA Convention.

Canoeists, Ready, Set—

The Centreville, Michigan, Chapter helped kick off the first Centreville Covered Bridge Festival by sponsoring a canoe race on July 4.

The race ran 9¼ miles from the Nottawa Road Bridge in Mendon to the covered bridge in Centreville.

There were 52 canoeists in 26 canoes who paid $5.00 to paddle down the river. John and Donna Buckley won the $100 first prize given by the FFA; and a father-son team, Dr. Ron Smith and Mike, won second prize, rod and reel.

The sophomore members conducted the event for FFA with three major committees. One committee arranged with the police station to have the water event. Another one got clearance from the State Department of Natural Resources. There had to be seven safety boats with members along the river for judges.

A third committee organized prizes, and a fourth arranged publicity with local newspapers and radio stations.

Over 3,000 people witnessed the finish of the race from the covered bridge site. *(Martin Borntrager, Reporter)*

Giving Thanks

A presentation by Illinois President Ben Wessels, to Mr. O. W. Randolph, recognizing Moorman Mfg. Co. support of the National FFA Foundation, Inc. expresses thanks from fellow members.

Judging Contests Change

Up-dating changes for the 1973 contests to be held during the National Convention in Kansas City are reflected in a revised edition of Bulletin No. 4, the FFA's handbook for its national contests in '73, '74, and '75. These are available from your state advisor's office.

The changes include a name change for the Dairy Products Contest. It will be called the Milk Quality and Dairy Foods Contests. This event has been expanded to include identification of 10 cheese flavors and odors of cottage cheeses, and a written test on milk marketing and on milk production.

Reasons have been dropped from the Poultry Contest, and swine grading has been added to the Livestock Contest.

Instructional areas to be used in the '73 version of the Agricultural Mechanics Contest are: (1) Power and Machinery (Planters and Sprayers); (2) Soil and Water Management; (3) Mechanics Skills in Oxyacetylene Welding, Plumbing and Pipe Fitting. The team for each state must have three con-

(Continued on Next Page)

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FFA in Action

(Continued from Page 45)

testants, and they will each be required to compete in all three contest phases.

Each of the six contests has a superintendent and a number of assistants. Superintendents include Mr. Arnold Cordes of Wisconsin, Dairy Cattle; Mr. Glenn Nicklas of Nebraska, Milk Quality and Dairy Foods; Mr. Thomas Hoerner of Iowa, Agricultural Mechanics. Three new contest superintendents have been named: Mr. Donald Brown of Oklahoma, Meats; Mr. Dean Prochaska of Kansas, Poultry; and Mr. Benton Thomason of Oklahoma, Livestock.

Painting the Town

When the Norman Park, Georgia, FFA decided to participate in the Building Our American Communities (BOAC) program, they noted the buildings on main street were in bad need of paint, and some needed repair.

The BOAC committee members met with the Norman Park Town Council and agreed for the FFA members to paint the outside of the buildings if the merchants would furnish the paint. The merchants readily agreed, and 50 members "washed down" the buildings.

The day the Colquitt County FFA'ers chose to paint the buildings brought nearly the whole town out—either to help paint, prepare lunch for the painters, or just to watch the action. The Ladies Club was responsible for preparing the lunch, and it was almost like a town-wide picnic.

Bruce Branum, BOAC chairman, said 65 gallons of white paint were used.

To add the finishing touches to their work, the FFA members replaced sidewalk shelters on the main street and washed the street. Leonard Rogers, a Norman Park citizen, painted new lines down the street for the FFA. (FFA furnished the paint.) *(Eleanor Gilmer)*

Cooperating Crews

Presque Isle, Maine, Chapter worked together with the Boy Scouts and the Garden Club on a tree planting effort at City Hall for their BOAC project.

David Estabrook Photo

Hammin' It Up

Ace Photographer Photo

Six forestry proficiency winners from the Southeast gave Houston's mayor a country ham during a tour there with Seaboard Coast Line's Robert Hoskins.

Voters Win

The Bowling Green, Ohio, Chapter is sponsoring a harvest safety campaign for farmers in their area to encourage them to put safety into their crop harvest programs.

Safety displays can be seen at various implement dealers and grain elevators in the area.

Farmers who express an interest in the safety displays and "cast their vote for safety" by placing their name and address in ballot boxes provided in conjunction with the displays will be eligible for SMV emblems at the end of the 1973 harvest season. *(Greg Euler, Reporter)*

Calendar of Events

January 22-25—Board of Directors and National Officers Meeting, Olde Colony, Alexandria, Virginia
January 29-March 1—National Officer Tour
February 17-24—National FFA WEEK
October 17-19—National FFA Convention, Kansas City, Missouri

National FFA Conferences

Washington, D.C.—Alexandria, Virginia
June 18-23, June 25-30, July 9-14, July 16-21—Chapter Representatives
July 23-28—State Presidents

Regional State Officer Conferences

January 26-28—National FFA Center, Alexandria, Virginia

State FFA Conventions

March 20-24—Oregon
March 21-23—Michigan
March 22—Delaware
March 22-24—Utah
March 22-24—Wyoming
March 23-24—Rhode Island
March 26-28—Massachusetts
April 3-6—Idaho
April 4-7—Nebraska
April 5-7—Montana
April 8-10—South Dakota
April 8-15—Hawaii
April 25-27—Oklahoma
April 25-28—Iowa
April 25-28—Missouri
April 26-28—Ohio
April 30-May 3—Nevada
April 30-May 3—Tennessee

State conventions held later will appear in future issues.

Something New

Sperry New Holland has introduced the 16-hp. Model S-16 tractor to its lawn and garden line. The S-16 has a hydrostatic transmission and a four-stroke Kohler engine. Equipment available includes this PTO driven, 34-inch rotary tiller and 54-inch blade.

This Tony Lama (El Paso, Texas) boot features a burgundy foot and top with a black lizard wing tip. Style 39-J-5 comes in sizes 6-12.

Four octagon barrel rifles have been added to Marlin Firearms 1973 line. Shown is the new octagon barrelled, 336 .30/30 rifle. Other octagon models made by the New Haven, Connecticut, based manufacturer include the 1894, 39A, and 39M.

XL-2, introduced as the first two-trigger, gasoline operated chain saw by Homelite of Port Chester, New York, is equipped with a 12-inch bar, automatic oiling, and low-noise muffler.

The Trackster, made by Cushman Motors of Lincoln, Nebraska, will carry two passengers plus equipment up 45-degree inclines. The vehicle is controlled by a single T-handle, fits into a pickup truck box, and is powered through a hydrostatic transmission with a 25-hp. Outboard Marine engine.

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Boxer: *"Have I done any damage?"*
Manager: *"No, but keep swinging, the draft might give him a cold."*

Thomas LaMance
Modesto, California

Charles: *"Is your boss very mean?"*
John: *"Yes. He's mean but he's fair."*
Charles: *"How is he fair?"*
John: *"He's mean to everybody."*

Steve Hann
Mount Union, Pennsylvania

"Love those computers! This month our milk check is for $2,391,668.01."

Did you hear the story about the farmer who was coming home from the field when some mosquitoes attacked him and his horses? As he ran over the hill he looked over his shoulder just in time to see that they had eaten the horses and were pitching a game of horse shoes to see who got the harness!

Clay Lunsford
Creswell, Oregon

"What goes 'Snap, Crackle, Pop'?"
"A firefly with a short."

Stanley Vangraefschepe
New Raymer, Colorado

"I've proposed to four different men without avail."
"Next time try wearing a veil."

Mike Bonnema
Steen, Minnesota

Sign on the back of a milk truck—*"We owe everything to udders."*

Jim Downing
Gainesville, Florida

FFA JOKE BOOK

A collection of the escapades and antics of one of FFA's funniest members, "Charlie, the Greenhand." Plus other jokes that have appeared in *The National FUTURE FARMER*.

For your copy, send 50 cents with your name and address to: Joke Book, *The National FUTURE FARMER*, P. O. Box 15130, Alexandria, Virginia 22309.

Sign inside a restaurant window: *"Don't stand outside and be miserable. Come inside and get fed up."*

Earl Key
Rockville, Virginia

Boy to farmer: *"What do bees do with their honey?"*
Farmer: *"They cell it."*

Linda Langford
LaHabra, California

Friend: *"Why don't you call Dr. Thomas? He's been a practicing veterinarian for 20 years."*
Farmer: *"No sir. I want a vet that knows how, not one still practicing."*

Rollin Moseley
Atmore, Alabama

Ed: *"Are you sure your mother won't mind if we sail our boat in the bathtub?"*
Ned: *"No. She can always slide back to the other end."*

O. L. McLamb, Jr.
Four Oaks, North Carolina

Gary: *"Did you hear the astronaut found some bones on the moon?"*
Jerry: *"Oh! Maybe the cow didn't make it after all."*

Willie Zepeda
San Benito, Texas

If the Marines and the Navy were playing basketball and all the Marines fouled out, who would they put in?
The submarines.

Steve Baggett
Riverview, Alabama

Jockey: *"Are colts and eggs alike?"*
Trainer: *"I don't know."*
Jockey: *"Yes, they both have to be broken before they can be used!"*

Letitia Geis
Liberty, Indiana

Linda: *"Now, dear, what will I get if I cook a dinner like that for you every day this year?"*
John: *"My life insurance!"*

Terry Fankhauser
Powhatan Point, Ohio

The small boy, tired of riding, suddenly turned to his father: *"I wish you'd let Mom drive. It's more exciting."*

Barry Hall
Melcroft, Pennsylvania

Teacher: *"Yes, Sammy, what is it?"*
Sammy: *"I don't want to scare you, but Pop said if I didn't get better grades, someone is due for a licking."*

Kenny King
Vaiden, Mississippi

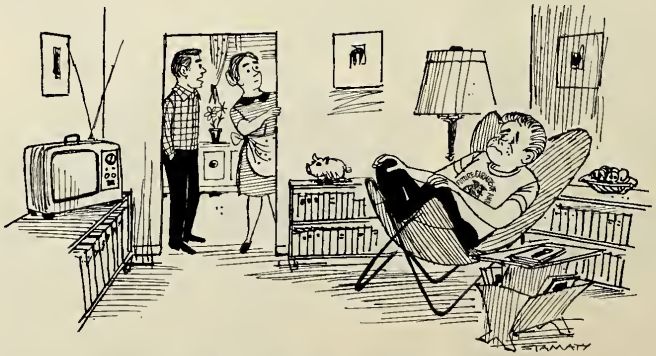
Bill: *"Do you know why there are fewer crowbars in the United States?"*
Jack: *"No, why?"*
Bill: *Fewer crows are drinking."*

Larry Hamby
Hughesville, Maryland

"We are having a raffle for a poor widow. Will you buy a ticket?"
"Nope! My wife wouldn't let me keep her if I won."

Tim Sigurdsen
Grasston, Minnesota

Charlie, the Greenhand



"Mary Lou was elected chapter sweetheart and now she's got 63 guys to ask her to the dance."

The National FUTURE FARMER *will pay $1.00 for each joke selected for publication on this page. Jokes must be submitted on post cards addressed to the National* FUTURE FARMER, *Alexandria, Virginia 22309. In case of duplication, payment will be made for the first one received. Contributions cannot be acknowledged or returned.*

action!

When you're on top of a bronc, you won't be thinking about boots. But that's when you've got to depend on them. . . . For over sixty years Tony Lama has made quality western boots . . . boots designed for action, fit, durability and style.

Tony Lama COMPANY, INC.

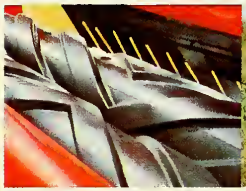
Style
Number 7070

Style
Number 6214

TONY LAMA COMPANY, INC./1137 TONY LAMA STREET/EL PASO, TEXAS 79915

Year after year, more farmers buy Haybine® mower-conditioners than any other kind.

For a lot of good reasons:



The rolls are practically plug-free.

It turns out fluffy windrows —the kind that dry fast.

It stays on the job, even in wet, downed crops.

It just doesn't know what "downtime" means.

You'll get reactions like these from almost any owner. You might also hear this: Big and strong as it is, a New Holland Haybine is really gentle with the material.

The rolls *intermesh* as they turn, which gives an ideal crushing/crimping combination. And they're both rubber—what could be easier on the crop? The result is a gentle treatment that saves leaves, keeps hay quality high.

Something else you'll like: integral windrow shields—and it takes only seconds to change from swath to windrow.

Want to know more? See your New Holland dealer. Or better yet, talk to a New Holland owner.

Remember: If it isn't New Holland, it isn't a Haybine.

SPERRY NEW HOLLAND

NEW Model 479 (shown) cuts 9′3″ swath.
NEW Model 477 has 7′3″ cutting width.

Sperry New Holland is a Division of Sperry Rand Corporation